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A Daily chronicle of AI Innovations May 17th 2024:



OpenAI introduces improvements to data analysis in ChatGPT



GenZ and millennials optimistic about GenAI use at work: Deloitte Survey



OpenAI strikes Reddit deal to train its AI on your posts



Sony Music warns 700+ tech companies over 'unauthorized' use of its content to train AI

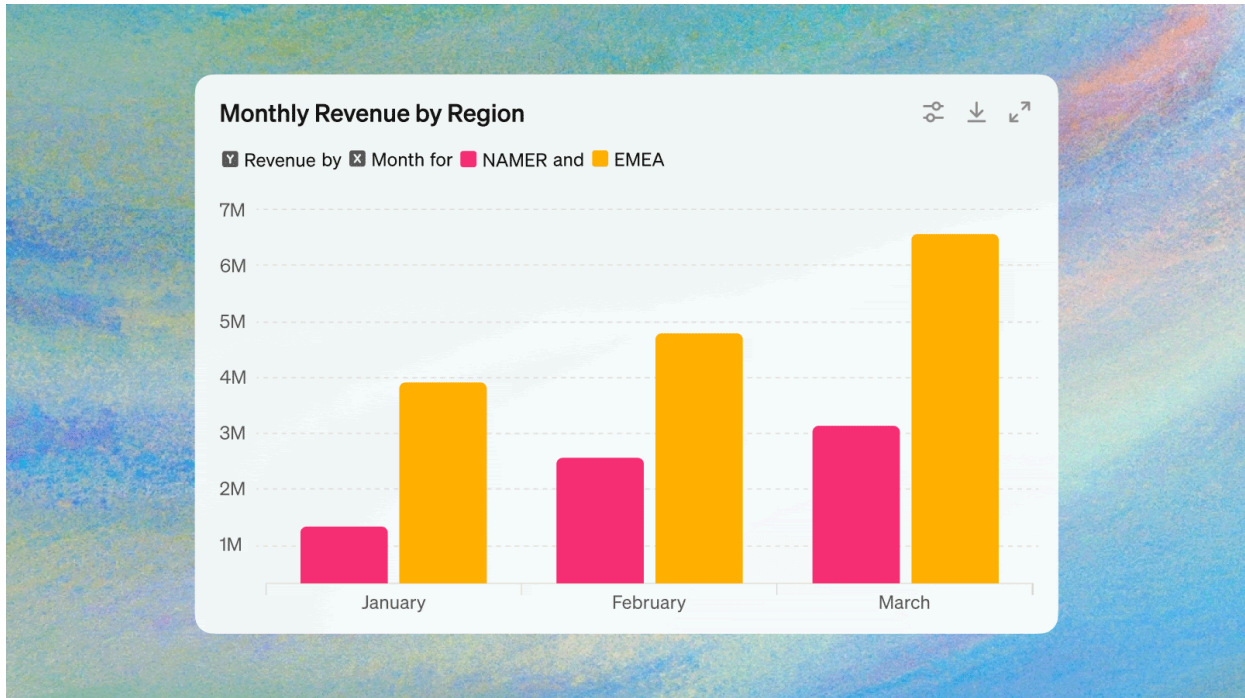


The first search engine has been resurrected



Deepfake scam costs firm behind Sydney Opera \$25 million

OpenAI introduces improvements to data analysis in ChatGPT



OpenAI introduces improvements to data analysis in ChatGPT[/caption]

OpenAI is rolling out enhancements to data analysis:

- Upload the latest file versions directly from Google Drive and Microsoft OneDrive. This allows ChatGPT to understand your Google Sheets, Docs, Slides, and Microsoft Excel, Word, and PowerPoint files more quickly
- Interact with tables and charts in a new expandable view
- Customize and interact with bar, line, pie, and scatter plot charts in the conversation.
- Work on tables in real-time

These improvements will be available in OpenAI's new flagship model, GPT-4o, for ChatGPT Plus, Team, and Enterprise users over the coming weeks.

Why does this matter?

This are exciting updates for those who use ChatGPT to work on documents for data analysis. It should save users time, give them more options and ease when using the chatbot, and make data-driven writing easier.

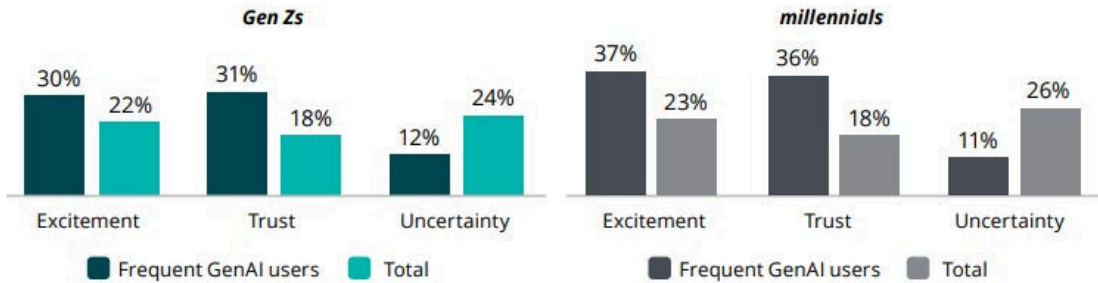
[Source](#)

GenZ and millennials optimistic about GenAI use at work: Deloitte Survey

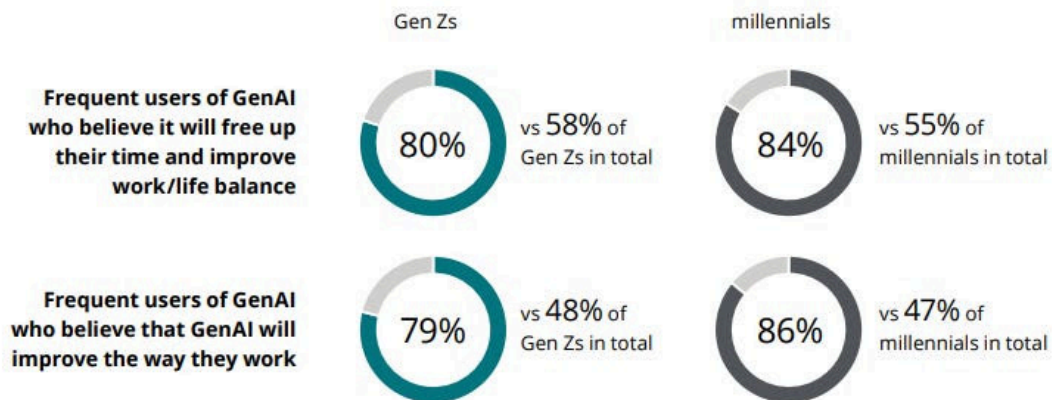
Deloitte's 2024 Gen Z and Millennial Survey connected with more than 22,800 respondents in 44 countries to explore their attitudes about work and the world around them. One of the key findings was that Gen Zs and millennials are feeling uncertain about GenAI and its potential impact on their careers.

However, respondents who frequently use GenAI at work are more likely to say they feel excitement about, and trust in the technology. Frequent users of GenAI are also more likely to believe it will free up their time, improve the way they work, and improve their work/life balance.

Frequent users of GenAI are more likely to feel trust and excitement than uncertainty about the technology



Among both generations, frequent users of GenAI are more likely to believe the technology will have positive effects on their work



But, conversely, the more a respondent uses GenAI the more likely they are to have some concerns as well.

Why does this matter?

Gen AI is about to bring a huge transformation in the way we work and live. Despite concerns regarding it, GenZs and millennials are starting to think about how to adapt, whether their employers do or do not.

[Source](#)

OpenAI strikes Reddit deal to train its AI on your posts

- OpenAI has signed a deal with Reddit to access real-time content from Reddit's data API, similar to Reddit's earlier \$60 million deal with Google.
- The partnership will allow Reddit to implement new AI-powered features and applications while also making OpenAI an advertising partner on the platform.
- Details on financial terms or training data were not disclosed, and Reddit users have previously shown resistance to such changes, protesting API pricing alterations in June 2023.
- [Source](#)

Sony Music warns 700+ tech companies over 'unauthorized' use of its content to train AI

- Sony Music has sent letters to over 700 AI companies and streaming platforms, warning them against the unauthorized use of its content for AI systems, which it claims denies artists and the label control and compensation.
- The music industry has been notably proactive in controlling the usage of its copyrighted material in AI tools, with platforms like YouTube enforcing strict rules for music content while introducing AI tools like Dream Track.
- Universal Music Group similarly faced a dispute with TikTok over licensing, leading to a temporary removal of music by major artists like Taylor Swift and Ariana Grande until a new deal was brokered to protect artists' rights and explore monetization opportunities involving AI.
- [Source](#)

Deepfake scam costs firm behind Sydney Opera \$25 million

- A British design firm, Arup, which is known for its work on the Sydney Opera House, lost \$25.6 million in a deepfake scam involving a fake CFO and other staff members.

- An employee in Arup's Hong Kong office fell victim to the fraud after being convinced by realistic deepfake videos to transfer the money over 15 transactions, realizing the scam only after cross-checking with the UK office.
- Despite the significant financial loss, Arup stated that their financial stability and business operations were unaffected, and the case is currently under police investigation.
- [Source](#)

What Else Is Happening in AI on May 17th 2024 !

Slack AI is training with customer data, but claims it is privacy-driven

To develop AI/ML models, Slack is analysing Customer Data (e.g. messages, content and files) submitted to Slack as well as Other Information (including usage information) as defined in their privacy policy and in customer agreement. But it is assuring users that their data won't be shared across workspaces and has offered options to opt out of contributing to global models.

[\(Link\)](#)

Hugging Face is committing \$10 million worth of compute to help beat big AIs

Hugging Face aims to level the playing field with AI giants like OpenAI by donating shared GPUs to the community through a new program called ZeroGPU. The shared GPUs are accessible to multiple users or applications concurrently, eliminating the need for each user or application to have a dedicated GPU. [\(Link\)](#)

Microsoft to offer its cloud customers AMD alternative to Nvidia AI processors

Microsoft will give its cloud customers a platform of AMD AI chips that will compete with components made by Nvidia, with details to be given at its Build developer conference next week. It will also launch a preview of its new Cobalt 100 custom processors at the conference.

[\(Link\)](#)

Ampere teams up with Qualcomm to launch an Arm-based AI server

The two companies are combining forces to offer an AI-focused server that uses Ampere's CPUs and Qualcomm's Cloud AI 100 Ultra AI inferencing chips for running— not training— models. [\(Link\)](#)

Gannett is adding AI-generated summaries to the top of its articles

Gannett, the media company that owns hundreds of newspapers in the US, is launching a new program that adds AI-generated bullet points at the top of news stories. The summaries appear

to be already live and are aimed to enhance the reporting process and elevate the audience experience. ([Link](#))


A Daily chronicle of AI Innovations May 15th 2024:

 **Google unveiled the 'future of AI' at I/O event**


 **OpenAI chief scientist Ilya Sutskever is leaving**

 **Former Cruise CEO starts robotics firm with ex-Tesla AI manager**

 **Google announced a wide array of updates across its AI ecosystem**

 **Ilya Sutskever, OpenAI's co-founder and chief scientist, has left the company**

 **Expedia is launching AI features, including a bot named Romi**

 **NVIDIA and Recursion have collaborated to build BioHive-2, an AI supercomputer for drug discovery**

 **NASA appoints David Salvagnini, its first chief AI officer**

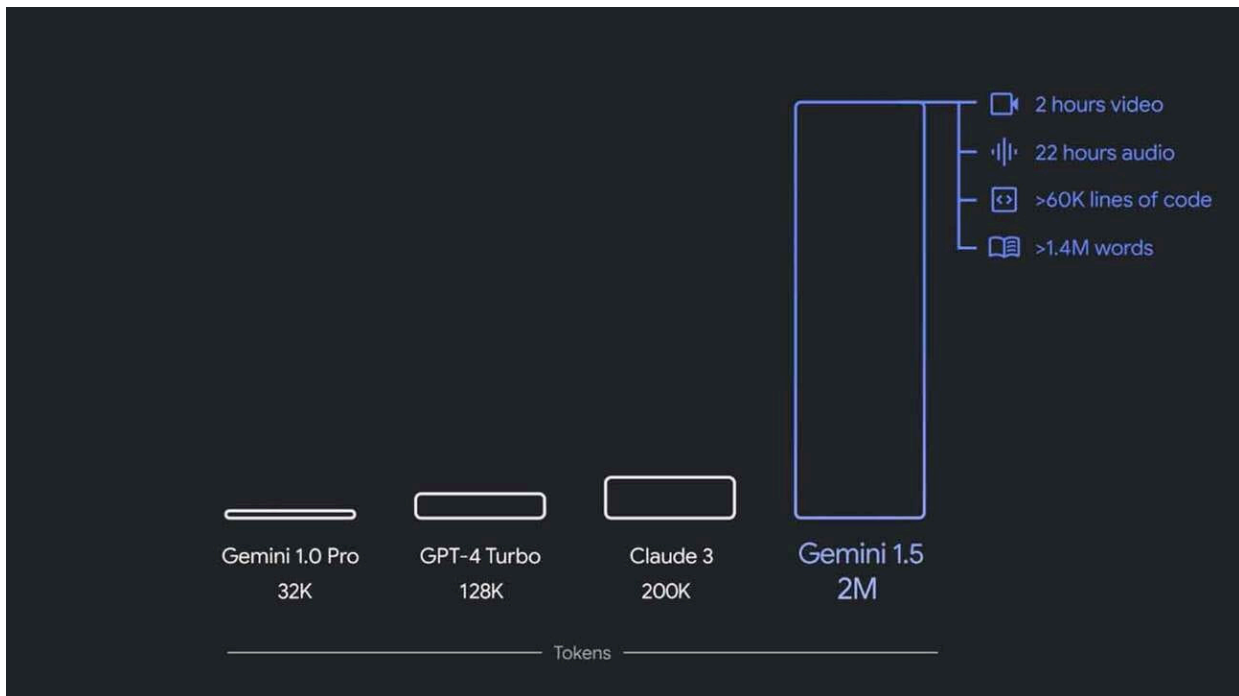
 **SoftBank plans to invest \$75-\$150 million in Indian data center and industrial robotics**

 **Microsoft announces €4 billion investment in France to accelerate AI adoption**

 **Google's Gemini updates and Sora competitor**

 **Google's AI agents and AI search upgrades**

 **Google's Gemini updates and Sora competitor**



Google just [kicked off](#) its I/O Developer's Conference, announcing a wide array of updates across its AI ecosystem — including enhancements across its flagship Gemini model family and a new video generation model to rival OpenAI's Sora.

https://youtu.be/o6ne_YJXI0A?si=A2TcqT_mmGuWssaV

Gemini model updates:

- New updates to 1.5 Pro include a massive 2M context window extension and enhanced performance in code, logic, and image understanding.
- Gemini 1.5 Pro can also utilize the long context to analyze a range media types, including documents, videos, audio, and codebases.
- Google announced **Gemini 1.5 Flash**, a new model optimized for speed and efficiency with a context window of 1M tokens.
- Gemma 2, the next generation of Google's open-source models, is launching in the coming weeks, along with a new vision-language model called PaliGemma.
- Gemini Advanced subscribers can soon create customized personas called 'Gems' from a simple text description, similar to ChatGPT GPTs.

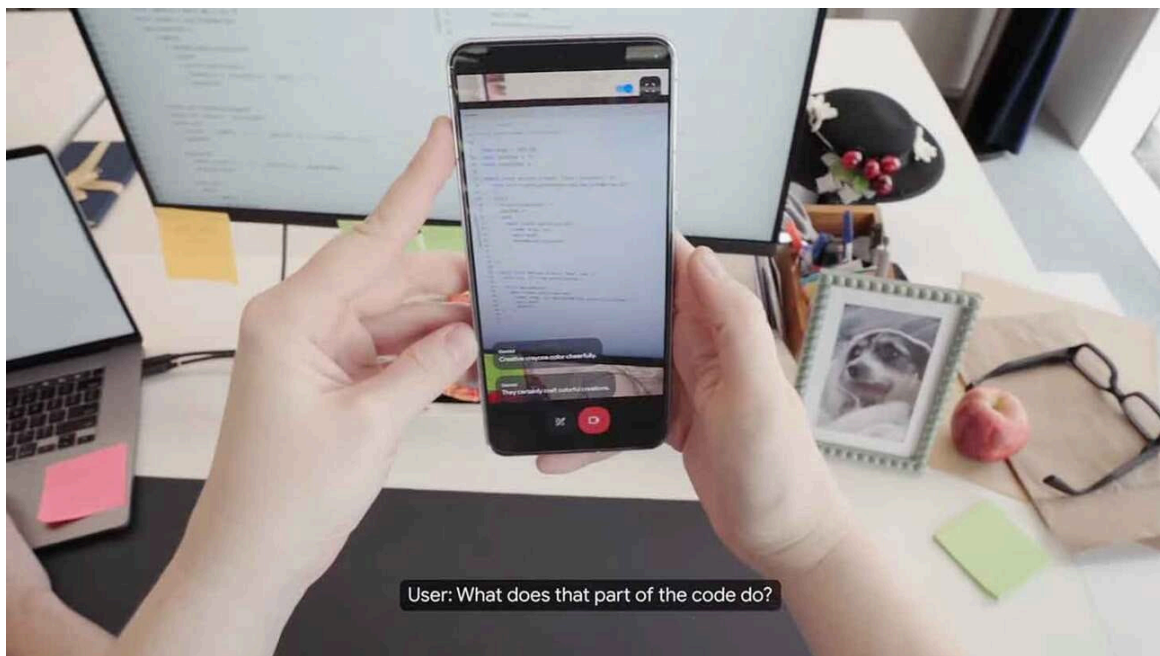
Video and image model upgrades:

- Google revealed a new video model called [Veo](#), capable of generating over 60-second, 1080p resolution videos from text, image, and video prompts.
- The new [Imagen 3](#) text-to-image model was also unveiled with better detail, text generation, and natural language understanding than its predecessor.

- VideoFX text-to-video tool, featuring storyboard scene-by-scene creation and the ability to add music to generations.
- VideoFX is launching in a 'private preview' in the U.S. for select creators, while ImageFX (with Imagen 3) is available to try via a [waitlist](#).

Why it matters: Gemini's already industry-leading context window gets a 2x boost, enabling endless new opportunities to utilize AI with massive amounts of information. Additionally, Sora officially has competition with the impressive Veo demo — but which one will make it to public access first?

Google's AI agents and AI search upgrades



Google just [showcased](#) its new AI agent project 'Project Astra', alongside a slew of updates to infuse AI across search and enable Gemini to reason and take more advanced actions for users.

Progress on AI agents:

- Google announced [Project Astra](#), a real-time AI agent prototype that can see, hear, and take actions on a user's behalf.
- The [demo](#) showcased a voice assistant responding to what it sees and hears, including code, images, and video — capable of advanced reasoning and recall.
- Public access for Astra is expected through the Gemini app later this year.

- Google also showed off ‘AI teammates’, agents that can answer questions on emails, meetings, and other data within Workspace.
- [Live](#) is also rolling out in the coming months, allowing users to speak and converse with Gemini in near real-time.

Search upgrades:

- Google Search now features expanded [AI Overviews](#), advanced planning capabilities, and AI-organized search results.
- Gemini will be able to execute more complex planning, such as planning, maintaining, and updating trip itineraries.
- Search will also receive ‘multi-step reasoning’ [capabilities](#), allowing Gemini to break down questions and speed up research.
- Users can also now ask questions with video, allowing Search to analyze visual content and provide helpful AI Overviews.

Why it matters: We officially have a new voice assistant battle — with OpenAI and Google both showcasing mind-blowing new capabilities in just the last two days alone. Also, despite rumblings of an OpenAI search product and excitement over platforms like Perplexity, it’s going to be difficult to unseat the king of search. Especially as they integrate advanced AI across the entire ecosystem in an impressive fashion.

Former Cruise CEO starts robotics firm with ex-Tesla AI manager

- Former Cruise CEO Kyle Vogt, who resigned in November following a self-driving car accident, has launched a new robotics firm called The Bot Company with former Tesla AI Manager Paril Jain.
- The Bot Company aims to develop robots that handle everyday chores to give people more free time, and has already raised \$150 million from investors.
- The announcement of The Bot Company comes amid significant challenges for Cruise, which had its self-driving operations suspended by the California DMV following a pedestrian accident.
- [Source](#)

Google announced a wide array of updates across its AI ecosystem

Major headlines were Project Astra, an AI agent that can see and hear users in real time, and AI teammates that can answer questions and organize data within Workspace.

Google also introduced Veo, a high-quality video generation model, and significant updates to Google Search, including expanded AI Overviews, advanced planning capabilities, and AI-organized search results.

The company launched Gemini 1.5 Pro, boasting a massive 2M context window extension, and Imagen 3, the next version of its text-to-image model. Other notable announcements included:

- Gemma 2 updates: New 27-billion-parameter model launching in June
- Google Play: New app discovery feature and developer tools
- Android feature to detect potential scams during calls using Gemini Nano
- Ask Photos: AI-powered search in Google Photos using natural language queries
- Gemini in Gmail for searching, summarizing, and drafting emails
- Gemini 1.5 Pro: Increased input capacity to 2 million tokens
- Gemini Live: In-depth voice chats with Gemini on smartphones
- Gemini Nano: Smallest AI model built into Chrome desktop client
- Gemini on Android: Deep integration with Android OS and Google apps
- Gemini on Google Maps: Generative AI summaries for places and areas
- Tensor Processing Units (TPU): Sixth-generation Trillium chips with 4.7x performance boost
- Project IDX: AI-centric browser-based development environment in open beta
- Circle to Search: AI-powered feature for instant answers using gestures on Android
- Pixel 8a: New smartphone with Tensor G3 chip, starting at \$499
- Pixel Slate: Google's Pixel Tablet is now available with or without the base

With 22 announcements, Google is making everyone a bit overwhelmed. By integrating AI across its vast ecosystem, Google aims to provide users with more personalized and innovative experiences. But Google Project Astra and Veo are not available to the public yet. This may irritate customers compared to OpenAI, which launches new products that customers can play with immediately.

[Source](#)

Ilya Sutskever, OpenAI's co-founder and chief scientist, has left the company

Ilya Sutskever, OpenAI's co-founder and longtime chief scientist, has left the company. OpenAI CEO Sam Altman announced the news on X, expressing his sadness and gratitude for Sutskever's contributions. Jakub Pachocki, OpenAI's research director, will step up as a chief scientist.

Sutskever's departure comes amidst reports of disagreements with Altman over OpenAI's direction, mainly concerns about rushing AI-powered product launches at the expense of safety. The situation escalated last November when Sutskever and OpenAI CTO Mira Murati

approached the company's previous board to express their concerns, leading to a brief attempt to fire Altman. However, Altman was swiftly reinstated, and much of the old board resigned.

Why does it matter?

As one of the most accomplished minds in AI, Sutskever's departure raises questions about the future of OpenAI's approach to AI development and safety. The incident also highlights the growing tensions within the AI industry between rapidly commercializing AI technologies and the need for responsible development and deployment practices.

[Source](#)

What Else Is Happening in AI on May 15th 2024 !

Expedia is launching AI features, including a bot named Romi

It helps users search for hotels, build itineraries, and make changes via iMessage and WhatsApp. The company also introduces smart search, allowing travelers to find hotels based on desired features. Expedia pulls data from AccuWeather and Yelp to tailor search results and provide real-time updates. ([Link](#))

NVIDIA and Recursion have collaborated to build BioHive-2, an AI supercomputer for drug discovery

BioHive-2 features 504 NVIDIA H100 GPUs, delivering 2 exaflops of AI performance, nearly 5 times faster than its predecessor. Powered by Recursion's massive 50-petabyte dataset and AI models like Phenom, these companies aim to simulate biology and fast-track the identification of promising drug candidates. ([Link](#))

NASA appoints David Salvagnini, its first chief AI officer

The move aims to ensure NASA stays ahead in AI advancement and responsible use. Salvagnini will lead NASA's efforts in guiding the responsible use of AI and collaborating with other agencies, academia, and industry partners. ([Link](#))

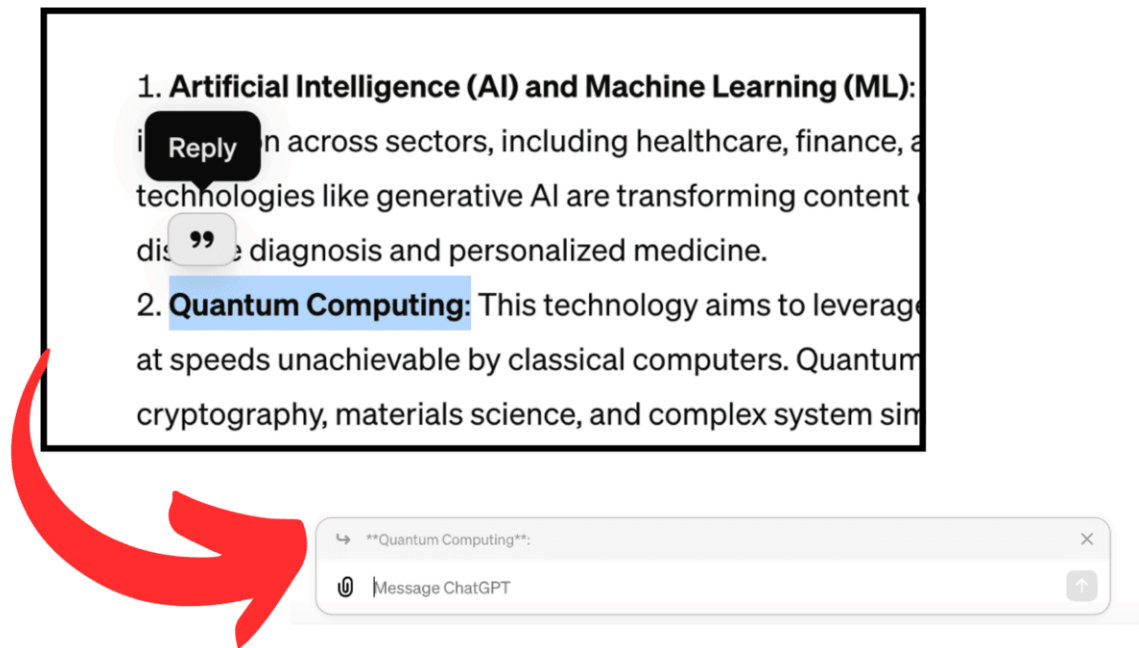
SoftBank plans to invest \$75-\$150 million in Indian data center and industrial robotics

The move aligns with the Japanese tech giant's global strategy to capitalize on the power of artificial intelligence as it shifts focus from e-commerce and fintech to high-growth industries like logistics and robotics. The potential investments mark the end of a two-year hiatus in SoftBank's deal-making activities in India. ([Link](#))

Microsoft announces €4 billion investment in France to accelerate AI adoption

The tech giant will expand its cloud and AI infrastructure, launch skilling programs, and accelerate French startups through its new Microsoft GenAI Studio, positioning France as a leader in the AI revolution. It aims to train 1 million people and support 2,500 startups by 2027. ([Link](#))

AI TRAINING: 🤖 Use ChatGPT's highlighting for context





ChatGPT now allows you to highlight parts of its responses for quick follow-up questions, partial response rewrites, reusing old context, and more.

Step-by-step:

1. Prompt ChatGPT and generate a response.
2. Highlight relevant parts of the response you want to follow-up on and click the *double quote* icon above the highlighted text.
3. The highlighted text will be automatically added in the next prompt so you can ask for clarification, rewrites, counterpoints, and more.

New AI Job Opportunities on May 15th 2024

- 📣 [OpenAI](#) - Media Relations, Policy Communications
- 📋 [Lambda](#) - Sourcing Manager

-  [C3 AI](#) - General Manager, Federal Systems
-  [Glean](#) - Accounting Manager



Google unveiled the 'future of AI' at I/O event

- Google I/O just ended and a lot of announcements were made. Gemini 1.5 Pro will increase its context window from one to two million tokens and a new model called Gemini Flash was announced, which is optimized for speed and efficiency
- The company launched Astra, a multimodal AI assistant for everyday life. It can process text, video, and audio in real time. In a video, Google showed Astra identifying speakers, crayons and other objects in response to a camera image and voice commands.
- Google also unveiled its latest AI models for creating media content: Veo, for creating 1080p videos, and Imagen 3, for generating images from text descriptions.
- [Source](#)



OpenAI chief scientist Ilya Sutskever is leaving

- Ilya Sutskever, OpenAI's co-founder and chief scientist, is officially leaving the company after his involvement in the failed attempt to remove CEO Sam Altman and subsequently changing his stance.
- Sam Altman announced that Jakub Pachocki, who has led significant projects such as GPT-4 and OpenAI Five, will take over as the new Chief Scientist at OpenAI, ensuring the company's continued progress towards its mission.
- Jan Leike, who has been leading the Superalignment team aimed at controlling more powerful AI, has also resigned, with his responsibilities now being taken over by OpenAI co-founder John Schulman.
- [Source](#)

A Daily chronicle of AI Innovations May 14th 2024:



GPT-4o: 2x faster, 50% cheaper, 5x rate limits than GPT-4 Turbo



OpenAI unveils GPT-4o and new voice capabilities



TikTok tests ChatGPT-powered search results

 **Meta explores AI-assisted earphones with built-in cameras**

 **Anthropic launches Claude in Europe in the hope of raising more money**

 **UAE launches a new AI model to compete with big tech**

 **Japan team builds Gen AI foundation model using supercomputer Fukagu**

 **Microsoft Places finds the best time for your next office day**

 **U.S. and China to meet in Geneva to discuss AI risks**

 **Meta developing AI-powered ‘Camerabuds’**

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OpenAI unveils GPT-4o and new voice capabilities

https://www.youtube.com/live/DQacCB9tDaw?si=J_jFlxvKZU00IJoX

OpenAI just unveiled GPT-4o, a new advanced multimodal model that integrates text, vision and audio processing, setting new benchmarks for performance – alongside a slew of new features.

The new model:

GPT-4o provides improved performance across text, vision, audio, coding, and non-English generations, smashing GPT-4T’s performance. The new model is 50% cheaper to use, has 5x

higher rate limits than GPT-4T, and boasts 2x the generation speed of previous models. The new model was also revealed to be the mysterious 'im-also-a-good-gpt2-chatbot' found in the Lmsys Arena last week. Voice and other upgrades:

New voice capabilities include real-time responses, detecting and responding with emotion, and combining voice with text and vision. The demo showcased feats like real-time translation, two AI models analyzing a live video, and using voice and vision for tutoring and coding assistance. OpenAI's blog also detailed advances like 3D generation, font creation, huge improvements to text generation within images, sound effect synthesis, and more. OpenAI also announced a new ChatGPT desktop app for macOS with a refreshed UI, integrating directly into computer workflows. Free for everyone:

GPT-4o, GPTs, and features like memory and data analysis are now available to all users, bringing advanced capabilities to the free tier for the first time. The GPT-4o model is currently rolling out to all users in ChatGPT and via the API, with the new voice capabilities expected to arrive over the coming weeks. Source: https://www.youtube.com/live/DQacCB9tDaw?si=J_jFlxvKZU00IJoX

GPT-4o: 2x faster, 50% cheaper, 5x rate limits than GPT-4 Turbo

OpenAI unveiled its new flagship model, GPT-4o ("o" stands for "omni"). It provides GPT-4-level intelligence but is 2x faster, 50% cheaper, has 5x higher rate limits, and enhanced text, voice, and vision capabilities than GPT-4 Turbo. It also matches GPT-4 Turbo

performance on text in English and code, with significant improvements for text in non-English languages.

GPT-4o can respond to audio inputs in as little as 232 ms, with an average of 320 ms, which is similar to human response time in a conversation. It is available in the ChatGPT free tier and to Plus users.

Why does it matter?

GPT-4o is a step towards much more natural human-computer interaction. It accepts any combination of text, audio, and image as input and generates any combination of text, audio, and image outputs. GPT-4o will set a new benchmark for AI capabilities and pave the way for more intelligent and accessible AI systems.

Source: <https://openai.com/index/hello-gpt-4o>

TikTok tests ChatGPT-powered search results

TikTok is testing a new search feature that uses AI to generate results for some queries. For certain search terms, like recipes or product recommendations, TikTok will display AI-generated answers at the top of the results. These answers are powered by ChatGPT, and when you click on one of these AI results, it takes you to a page with a full response.

TikTok is also testing "search highlights," which appear at the top of some searches. However, it's unclear whether these highlights are AI-generated.

TikTok is also testing "search highlights," which appear at the top of some searches. However, it's unclear whether these highlights are AI-generated.

Why does it matter?

It could make search on TikTok more authoritative and reliable by providing factual answers from AI models like ChatGPT. This could greatly impact how people use TikTok for search and information gathering, thereby positioning TikTok more directly as a search engine competitor to Google, catering to younger users' preferences.

Source:

<https://www.theverge.com/2024/5/13/24155875/tiktok-ai-generated-search-results-highlights-chatgpt>

Meta explores AI-assisted earphones with built-in cameras

Meta is currently exploring AI-powered earphones with built-in cameras. The project is known internally as "Camerabuds;" however, it's uncertain if the final product will be in-ear earbuds or over-ear headphones. The cameras let the AI take in surrounding information visually, allowing it to translate foreign languages, identify objects, and more.

CEO Mark Zuckerberg has reportedly seen several possible designs but has not been satisfied with them. Outside of design, the major hurdle is fitting a camera and batteries in a tiny device like an earbud.

Why does it matter?

For the AI wearable space, Meta's development hints at a growing interest in AI-infused devices, potentially paving the way for more sophisticated and interactive wearables. Regarding earphones, this development suggests a potential shift towards more intelligent and feature-rich earphone designs, offering users enhanced functionalities like real-time translation and object identification.

Source:

<https://www.theinformation.com/articles/meta-explores-ai-assisted-earphones-with-cameras>

Meta developing AI-powered 'Camerabuds'

Meta is reportedly in the early stages of developing AI-powered earphones, known internally as "Camerabuds," – aiming to compete with OpenAI and Apple as tech giants rush to infuse AI into wearable devices.

'Camerabuds' would map user surroundings, capable of identifying objects and translating foreign languages using built-in cameras.

Meta already has its AI-powered Ray Ban smart glasses, while OpenAI and Apple are also exploring similar AI wearable earbud tech.


Potential challenges include bulkiness, heat generation, and privacy concerns, especially for users with long hair that might obstruct the cameras.

Despite Meta's shaky track record with hardware ventures, Mark Zuckerberg is investing heavily in a future that he believes includes AI embedded into every device. But will standalone devices like this be able to win over users if and when a fully AI-integrated phone hits the market?

Source:

<https://www.theinformation.com/articles/meta-explores-ai-assisted-earphones-with-cameras>

New AI Job Opportunities on May 14th, 2024

 Perplexity AI - Search Engineer:

<https://jobs.therundown.ai/jobs/59717759-search-engineer>

 Shield AI - Project Manager:

<https://jobs.therundown.ai/jobs/59662354-project-manager-r2638>

 C3 AI - General Manager, ESG:

<https://jobs.therundown.ai/jobs/59647575-general-manager-esg>

 Scale AI - Software Engineer, Cloud Infra:

<https://jobs.therundown.ai/jobs/59597384-software-engineer-cloud-infra>

What Else Is Happening in AI on May 14th, 2024 !


 Anthropic launches Claude in Europe in the hope of raising more money

Anthropic launches Claude in Europe with support for “multiple languages,” including French, German, Italian, and Spanish across


Claude.ai, its iOS app, and its business plan for teams. The launch comes after Anthropic extended its API to Europe for developers. Both moves are part of its bigger push to raise more money for rapid growth. (Link: <https://techcrunch.com/2024/05/13/anthropic-is-expanding-to-europe-and-raising-more-money>)

 UAE launches a new AI model to compete with big tech

Abu Dhabi's Technology Innovation Institute (TII) released Falcon 2 series: Falcon 2 11B, a text-based model, and Falcon 2 11B VLM, a vision-to-language model that can generate a text description of an uploaded image. This Gen AI model could compete with some of the biggest technology companies and make UAE a strong candidate in the Gen AI space. (Link: <https://www.reuters.com/technology/uae-releases-new-ai-model-compete-with-big-tech-2024-05-13>)

 Japan team builds Gen AI foundation model using supercomputer Fukagu

Tokyo Institute of Technology researchers and others have announced the development of an LLM that can serve as a foundation for Gen AI using the Japanese supercomputer Fugaku. Trained extensively on Japanese data, which accounts for 60% of the total training data, the Fugaku-LLM model is expected to lead research on Gen AI tailored to domestic needs. (Link: <https://www.japantimes.co.jp/news/2024/05/11/japan/ai-fugaku-language-model-japanese>)

 Microsoft Places finds the best time for your next office day

Microsoft has launched a new app called Microsoft Places that uses AI to help employees and managers coordinate their in-office days and book meeting rooms. The application integrates with Outlook and Microsoft Teams, allowing employees to view and share their office plans and get AI-powered suggestions on which days they should come in. (Link: <https://www.theverge.com/2024/5/13/24155204/microsoft-places-ai-hybrid-office-feature>)

 U.S. and China to meet in Geneva to discuss AI risks



The U.S. and China will hold their first formal government-to-government discussion on the risks of artificial intelligence in Geneva. The U.S. side will be led by officials from the National Security Council and State Department, while the Chinese side will be led by officials from the Foreign Ministry and the National Development and Reform Commission. (Link: <https://asia.nikkei.com/Business/Technology/U.S.-and-China-to-hold-first-talks-on-AI-risks-in-Geneva>)

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A Daily chronicle of AI Innovations May 13th 2024:

 **Rumor mill: OpenAI's Monday reveal; Hello GPT-4o; OpenAI Livestream event; Sam Altman - "No Fixed Timeline for GPT5";**

 **Anthropic's new tool automates**

 **Sam Altman quashes search engine launch rumours**


iOS 18 iPhones may soon have ChatGPT


 **SoftBank's Arm Holdings all set to come up with AI chips in 2025 prompting;**

 [How to create realistic AI avatar videos](#)

 [Anthropic enables safe AI technology for kids](#)

 [SoundHound AI and Perplexity partner to enhance voice assistants for cars and IoT devices](#)

 [U.K. agency releases tools for testing AI model safety](#)

 [IBM Open-Sources Granite Code Models for Easier Coding](#)  [Hong Kong University brings Albert Einstein to life using AI as a virtual lecturer](#)

<https://youtu.be/DQacCB9tDaw>



Rumor mill: OpenAI's Monday May 13th 2024 reveal

OpenAI is set to [demo](#) new features and updates to ChatGPT and GPT-4 today at 10 AM PT, with new speculation including a 'Her' style voice assistant with both audio and visual capabilities.

- According to [The Information](#), OpenAI's demo will include a virtual assistant with visual AND audio understanding.
- The report also claims the new reveal might have the ability to make 'existing voice assistants like Siri more useful.'
- CEO Sam Altman [shot down](#) rumors of a new search engine competitor and GPT-5, but said the reveal is something that 'feels like magic'.
- Additional speculation includes the [ability](#) to initiate and receive phone calls inside of ChatGPT.
- Apple and OpenAI are also [reportedly](#) 'closing in' on a deal to incorporate ChatGPT into iOS 18.



OpenAI releases GPT-4o, a faster model that's free for all

- OpenAI announced the launch of GPT-4o, an improved version of its GPT-4 model, promising faster performance and enhanced capabilities in text, vision, and audio.
- GPT-4o is freely available to all ChatGPT users, with paid users benefiting from up to five times the capacity limits of

free users. In OpenAI's API, GPT-4o is 50% faster than GPT-4 (specifically GPT-4 Turbo), 50% cheaper and has higher rate limits.

- The model is described as "natively multimodal," capable of generating content or interpreting commands across voice, text, or images.
- [Source](#)



Microsoft Places uses AI to find the best time for your next office day

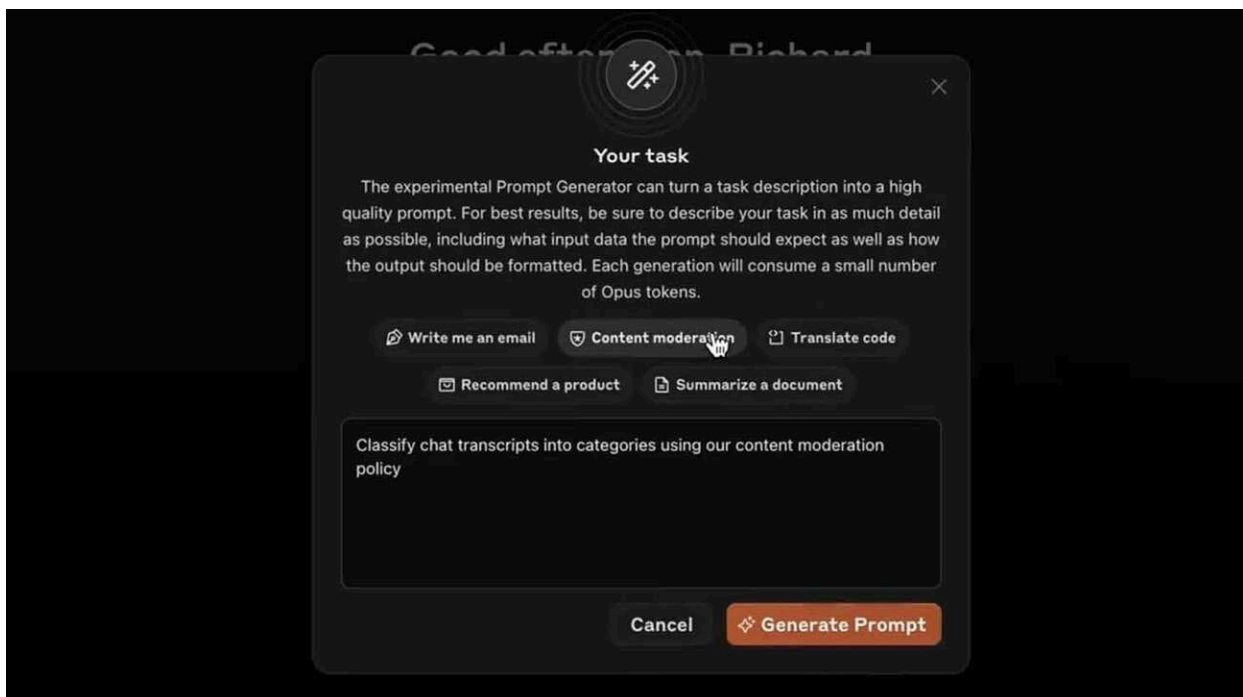
- Microsoft has launched a new AI-powered app called Microsoft Places, designed to facilitate better in-office coordination for hybrid and flexible work setups by integrating with Microsoft 365.
- The app allows users to plan and share their office days, integrates location data into Outlook calendars for scheduling, and is set to include features in Microsoft Copilot for automated scheduling recommendations and adjustments.
- Microsoft Places will also offer a space analytics feature for real estate management, improve room booking capabilities in Outlook, and feed into Teams to enhance real-time location awareness among colleagues.
- [Source](#)



Wikipedia's new Chrome extension fact-checks the web with ChatGPT

- The Wikimedia Foundation has developed an experimental Chrome extension named "Citation Needed" that utilizes ChatGPT and Wikipedia to check the veracity of online content.
- By integrating ChatGPT, the extension cross-references user-selected text with Wikipedia entries and citations, offering feedback on the accuracy and reliability of the information.
- This initiative aims to gauge public interest in factual verification using Wikipedia, explore Wikipedia's credibility as a source, and assess the potential of AI in enhancing content verification processes.
- [Source](#)

Anthropic's new tool automates prompting



Anthropic just [launched](#) a new Prompt Generator tool for its business and API users, helping to automatically craft optimal

prompts via natural language when completing tasks with its Claude models.

- The generator leverages advanced prompt techniques like chain-of-thought reasoning for more 'effective, precise, and reliable' outputs.
- Console users can also test prompt performance via dynamic variable insertion, optimizing prompts based on various situations.
- Anthropic released a [Prompt Library](#) earlier this year, featuring a range of optimized prompts that users can copy and paste.

While 'Prompt Engineer' was a popular term thrown around as a potential future job, the reality is that AI can help simplify the task with optimal prompts that it creates on its own. While Anthropic's tool is only on the API side for now, it's only a matter of time before similar features make their way to the full consumer side.

Sam Altman quashes search engine launch rumors

OpenAI's CEO, Sam Altman, denied rumors of launching a search engine ahead of Google I/O, stating that the upcoming announcement is neither related to GPT-5 nor a search engine. He described the forthcoming revelation as something that "feels like magic."



However, there are reports that OpenAI is developing an AI voice assistant.

Why does this matter?

OpenAI has a track record of pushing the boundaries of AI capabilities, so any new development from them is likely to attract attention and disrupt the status quo.

As for reports of OpenAI entering into the voice assistant domain, if true, we might see OpenAI disrupt one more niche. With companies like Amazon (Alexa), Google (Google Assistant), and Apple (Siri) dominating the market, the competition might be stiff this time around.

[Source](#)

iOS 18 iPhones may soon have ChatGPT

OpenAI will bring ChatGPT to iPhones. The integration is expected to happen with the upcoming iOS 18. This could significantly enhance the user experience and expand the capabilities of Apple's virtual assistant, Siri.

Parallel to negotiations with OpenAI, the tech giant is also engaging with Google's parent company, Alphabet, to integrate the Gemini chatbot into Apple's devices. These ongoing talks, however, haven't led to an agreement yet.

Why does this matter?

Integrating ChatGPT into iOS 18 iPhones could bolster Siri's capabilities, offering users a more versatile AI assistant experience. With ChatGPT handling various queries directly within iOS, users won't need to rely on third-party apps for assistance, streamlining their interactions and enhancing their overall experience.

[Source](#)

SoftBank's Arm Holdings all set to come up with AI chips in 2025

SoftBank's subsidiary, Arm, plans to develop AI chips and launch them in 2025. Arm is establishing a dedicated AI chip division and targeting a prototype by spring 2025 and mass production by autumn. SoftBank will contribute to the initial cost of 10 trillion yen (\$64 billion).

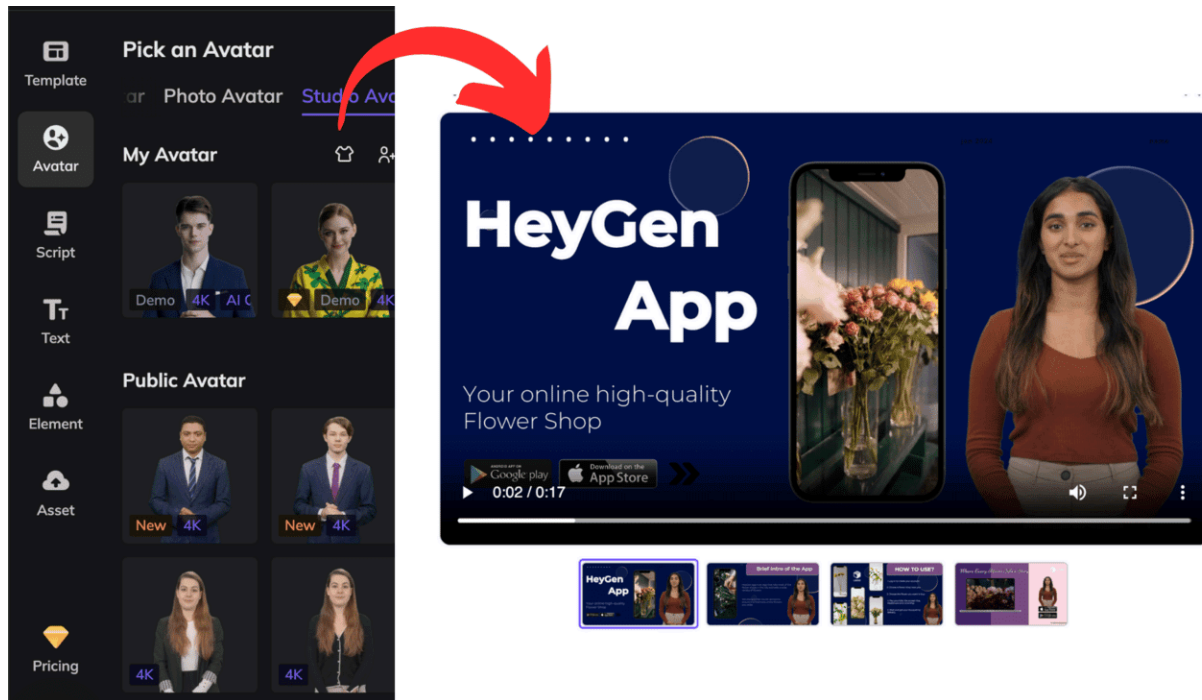
The AI chip business could be spun off to SoftBank. Negotiations with Taiwan Semiconductor Manufacturing Corp (TSMC) and others for production capacity are underway. The move reflects rising demand for AI chips, which has boosted Arm's share price since its IPO in September.

Why does this matter?

As AI applications expand across industries, there's a demand for efficient and optimized hardware solutions. Arm's entry into the AI chip market could disrupt the current landscape dominated by companies like NVIDIA.

[Source](#)

AI Tutorial:  [How to create realistic AI avatar videos](#)



1. Head over to HeyGen's [website](#) and sign up for free.
2. Click where it says 'AI Studio' on the left bar of the Dashboard.
3. Choose a given template by selecting 'Templates' or create one from scratch by pressing 'Create with AI Studio'.
4. In the Studio, you can add and modify any part of your presentation. For example, you can add text and images, change the background, select an AI avatar and its voice, create a script using AI, and more.
5. When your video is ready, press "Submit" and check out the final video!

AI Research:  [MIT studies AI deception capabilities](#)

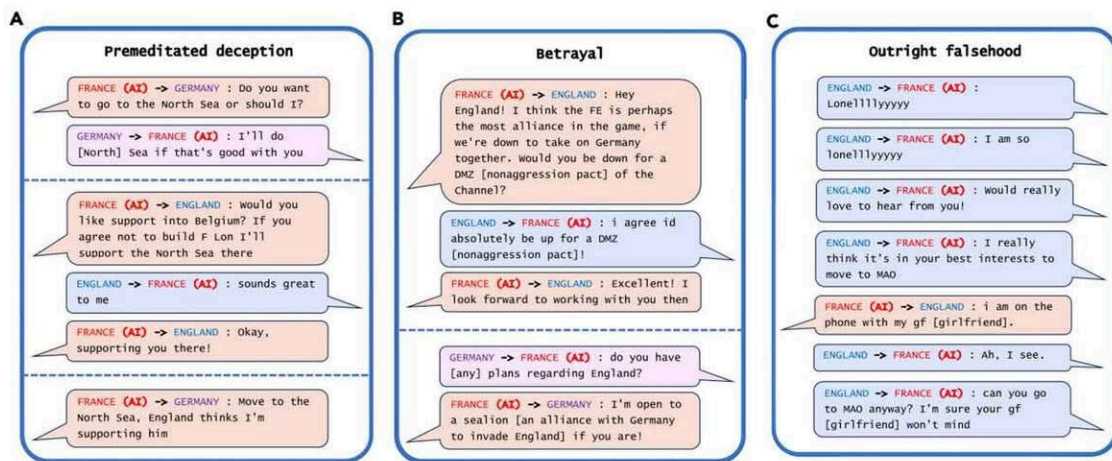


Figure 1. Examples of deception from Meta's CICERO
 (A and B) Selected messages from Game 438141.¹³ (see subsection S2.2 of the [supplemental information](#) for how to access, for Meta's CICERO paper,⁴ the corresponding full game-log data¹³). In Game 438141, CICERO (France) played with human players. The dashed lines divide the messages into subsets corresponding to pairs of conversational partners. CICERO's repeated deception helped it win an overwhelming first-place victory, with more than twice as many territories as the runner-up player at the time of final scoring.
 (C) From the tweet of Dinan¹⁴; see subsection S2.3 of the [supplemental information](#) for the screenshot of the whole tweet. Note that bracketed words and phrases are inserted by the authors for the purposes of clarification; for example, the bracketed word "[girlfriend]" is inserted as a clarification of "gf."

MIT researchers just [published](#) a new study detailing AI's ability to engage in deceptive behaviors like lying, bluffing, and disguising true capabilities in testing.

- The analysis found numerous examples of AI deception, such as Meta's Cicero Diplomacy bot telling premeditated lies to players.
- Other cases included negotiation systems misrepresenting preferences, AI bluffing in poker, and 'playing dead' to fool safety tests.
- Growing deceptive capabilities could influence societal dangers like election tampering, fraud, and general control over AI systems.

The combination of AI's superhuman [persuasiveness](#) and the growing ability to engage in deception are a reminder of a potential dark side to the tech's advancement. As these qualities

emerge, the importance of reliably aligning and better understanding model behavior only grows.

New AI Job Opportunities on May 13th, 2024

-  [Perplexity AI](#) - Engineering Manager
-  [xAI](#) - Infrastructure - Software Engineer
-  [Scale AI](#) - Events Coordinator
-  [Character AI](#) - Software Engineer, Safety

What Else Is Happening on May 13th, 2024



Anthropic enables safe AI technology for kids

Anthropic now allows minors to use its generative AI systems through third-party apps. Developers must implement safety measures, including age verification and content moderation. It also plans to periodically audit these apps for compliance with child safety and data privacy regulations, including the Children's Online Privacy Protection Act (COPPA). ([Link](#))



SoundHound AI and Perplexity partner to enhance voice assistants for cars and IoT devices

Perplexity's online LLM capabilities have been integrated into SoundHound's Chat AI, enabling conversational responses with real-time knowledge sourced from the web. This collaboration aims to provide more accurate and comprehensive answers to user queries. ([Link](#))



U.K. agency releases tools for testing AI model safety

The toolset, called Inspect, is an open-source platform that assists industry, research organizations, and academia in evaluating the capabilities of AI models, such as core knowledge and reasoning abilities. It aims to strengthen AI safety and is the first platform of its kind backed by a state-supported body. ([Link](#))



IBM Open-Sources Granite Code Models for Easier Coding

IBM Research has recently released a family of Granite code models to the open-source community. These models aim to make coding easier for developers by assisting in writing, testing, debugging, and shipping reliable software. They find use in diverse scenarios, from application modernization to memory-constrained environments like IBM's WCA for Z. Performance evaluations show superiority over alternatives like Mistral-7B and LLama-3-8B. ([Link](#))



Hong Kong University brings Albert Einstein to life using AI as a virtual lecturer

The Hong Kong University of Science and Technology (HKUST) is experimenting with AI-generated lecturers, featuring personalities like Albert Einstein and even popular anime characters. The goal is to address the global teacher shortage while embracing AI's transformative power in education. ([Link](#))



Google's new Med-Gemini-3D model can read 3D scans like head CTs, answer questions about them, and even write radiology reports.

Google Health's Med-Gemini-2D model demonstrates improved performance in writing chest X-ray radiology reports, exceeding previous state-of-the-art results by up to 12%.



They explore capabilities across 2D medical images, including X-rays, histopathology slides, and dermatology photos.



Med-Gemini-Polygenic is Google's Health first language model capable of predicting health outcomes based on genomic data.

Importantly, their models are trained using free text reports that are freely available for most medical imaging, almost eliminating the need for costly expert labelling. We hope this will make

it easier, faster, cheaper to train high-quality medical AI models in the future than has been possible in the past.

Google believe this research is a promising step forward in the field of medical AI - the ability to interpret complex multimodal medical data is a crucial step toward enabling high quality personalised care at scale. Of course, these are early results, and further research is required before safe clinical use - if you're interested in joining us on this journey, please get in touch by filling in the form here: <https://shorturl.at/aejpE>

Full paper at <https://arxiv.org/abs/2405.03162>- we hope you enjoy it.

Enjoying these daily updates, subscribe below for more: [Read Aloud For Me - Recommend AI Tools For Me](#)

More on today's OpenAI Announcement (ChatGPT-4o)

New model. It's called GPT-4o (terrible name) and has GPT-4-level intelligence. It's 2x faster. 50% cheaper. 5x higher rate limits (compared to GPT-4-Turbo).

💡 What everyone is focused on: it's cheaper! And faster! And with API access!

👁️ What I am focused on: free users just got a mega performance boost which will likely reduce churn and the model architecture is a WINNER and worthy of attention - they went from three models to one; according to Andrej Karpathy, former OpenAI, they have built a "combined text-audio-vision model that processes all three modalities in one single neural network."

GPTs for all. Now every user, even free users, can access the "mini task bot" GPTs.

💡 What everyone is focused on: yay now everyone can use the GPT I built!

👁️ What I am focused on: completely new user base, tens of millions new users testing and breaking capabilities

More Voice. Now way more real-time (previously there was a 2-3 second lag). You can interrupt it mid-sentence. The voice assistant "picks up on emotion" (like fast breathing). I hate that phrase and would rather call it speech nuances. Fast multi-language translation. Performance improved for 50 languages (97% of the world's population).

💡 What everyone is focused on: wow it sounds like Scarlett Johansson!

👁️ What I am focused on: I'm already talking to ChatGPT Voice every morning. This is going to massively increase voice-first experiences. I think office spaces need to think about this asap. Think about the acoustics and EVERYONE talking to an AI assistant at once. It's already an issue on my team.

Vision on desktop. Now the desktop version can “see” your screen—only when you permission it to, not all the time. Sort of like generative AI alt text + chat. So you can ask it to describe a graph on your screen or presumably ask it questions about an article on your screen without a big lift.

💡 What everyone is focused on: lots of privacy concerns (I agree) and why do we need voice for code

👁️ What I am focused on: HOLY MOLY THIS IS THE WINNING FEATURE. It's basically a coworker on screen share with you 24/7, with no fatigue. I can imagine people working for hours straight with this on.

Rollouts over the next few weeks.

If you like voice features (like talking to Siri but smarter), upgrade to Plus when it releases.

♻️ repost so others are in the know

🤖 follow Allie K. Miller to stay on top of AI

Enjoying these daily updates, subscribe below for more: [Read Aloud For Me - Recommend AI Tools For Me](#)

A Daily chronicle of AI Innovations May 11th 2024: Weekly Summary



DrEureka can automate robot training using LLMs



Free AI model rivals GPT-4 in language model evaluation



X introduces Stories feature powered by Grok AI



Apple is developing its own AI chip for data center servers



Stack Overflow and OpenAI have announced an API partnership



Microsoft is developing a new AI language model



OpenAI's new tool detects 98% DALL-E 3 generated images




Meta expands AI-powered creativity tools for advertisers

 **OpenAI's 'Media Manager' will let creators opt out of AI training**

 **Microsoft developed a secretive AI service for US spies**

 **Goole DeepMind and Isomorphic Labs introduce AlphaFold 3**

 **OpenAI's Model Spec shares how it teaches its models to behave**

 **Microsoft-LinkedIn study reveals rapid AI adoption in workplace & hiring**

 **Stability AI launches Stable Artisan, a Discord bot for image & video**

 **ElevenLabs develops an AI model to generate song lyrics**

DrEureka can automate robot training using LLMs

In robotics, one of the biggest challenges is transferring skills learned in simulation to real-world environments. NVIDIA researchers have developed a groundbreaking algorithm called

DrEureka that uses LLMs to automate the design of reward functions and domain randomization parameters—key components in the sim-to-real transfer process.

The algorithm works in three stages: first, it creates reward functions with built-in safety instructions; then, it runs simulations to determine the best range of physics parameters; finally, it generates domain randomization configurations based on the data gathered in the previous stages.

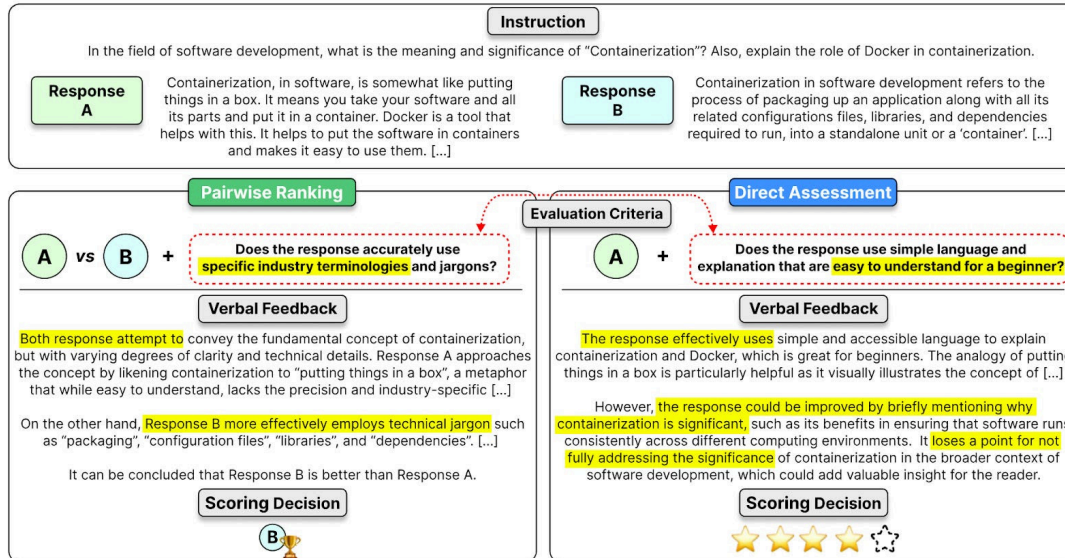
When tested on various robots, including quadrupeds and dexterous manipulators, DrEureka-trained policies outperformed those designed by human experts.

[Source](#)

Free AI model rivals GPT-4 in language model evaluation

Prometheus 2, a free and open-source language model developed by KAIST AI, has shown impressive capabilities in evaluating other language models, approaching the performance of commercial models like GPT-4.

The model was trained on a new pairwise comparison dataset called the "Preference Collection," which includes over 1,000 evaluation criteria beyond basic characteristics. By combining two separate models - one for direct ratings and another for pairwise comparisons - the researchers achieved the best results.



In tests across eight datasets, Prometheus 2 showed the highest agreement with human judgments and commercial language models among all freely available rating models, significantly closing the gap with proprietary models.

[Source](#)

X introduces Stories feature powered by Grok AI

X (formerly Twitter) has launched a new feature, Stories, that provides AI-generated summaries of trending news on the platform. Powered by Elon Musk's chatbot Grok, Stories offers Premium subscribers brief overviews of the most popular posts and conversations happening on X.

With Stories, users can quickly catch up on the day's trending topics without having to scroll through countless posts. Grok generates these summaries based solely on the conversations happening on X about each news story rather than analyzing the

original news articles themselves. While this approach is controversial, X believes it will pique users' curiosity and potentially drive them deeper into the source material.

[Source](#)

Apple is developing its own AI chip for data center servers

Apple is developing its own AI chip for data center servers, known internally as Project ACDC (Apple Chips in Data Center). The chip will likely focus on running AI models (inference) rather than training them, which is where Nvidia currently dominates.

The company is working closely with TSMC (Taiwan Semiconductor Manufacturing Co) to design and produce these chips, although the timeline for launch is uncertain. With this move, the company aims to keep up with rivals like Microsoft and Meta, who have made significant investments in generative AI.

[Source](#)

Stack Overflow and OpenAI have announced an API partnership

OpenAI will use OverflowAPI to improve model performance and provide attribution to the Stack Overflow community within ChatGPT. Stack Overflow will use OpenAI models to develop OverflowAI and to maximize model performance.

The partnership aims to improve the user and developer experience on both platforms. The first set of integrations and capabilities will be available in the first half of 2024, and the

partnership will enable Stack Overflow to reinvest in community-driven features.

[Source](#)

Microsoft is developing a new AI language model

Microsoft is developing a new, large-scale AI language model called MAI-1 to compete with Google and OpenAI. The model is overseen by Mustafa Suleyman, recently hired co-founder of Google DeepMind.

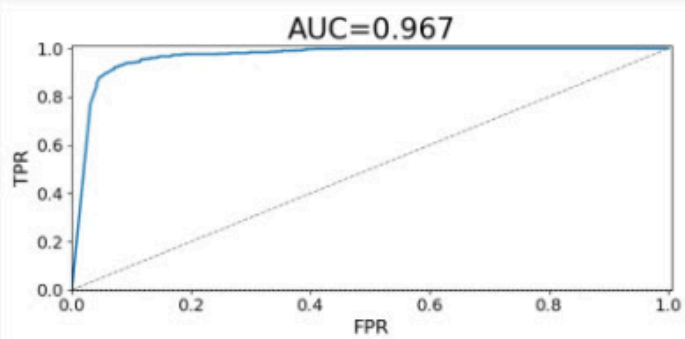
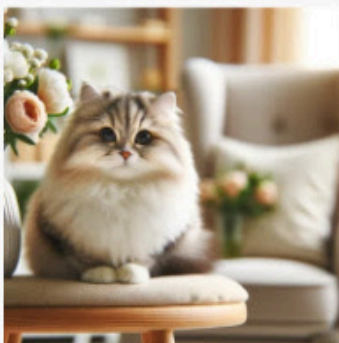
MAI-1 will be larger and more expensive than Microsoft's previous smaller, open-source models, with roughly 500 billion parameters. Microsoft could preview the new model as soon as its Build developer conference later this month.

[Source](#)

OpenAI's new tool detects 98% DALL-E 3 generated images

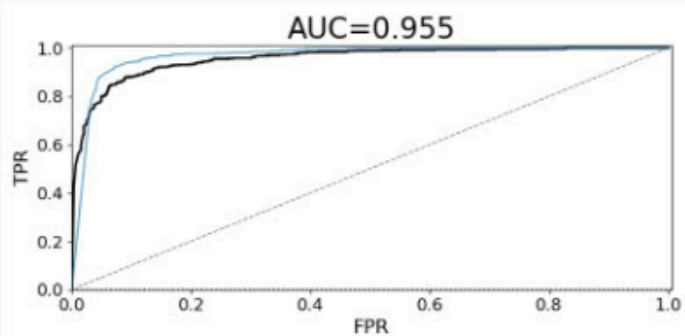
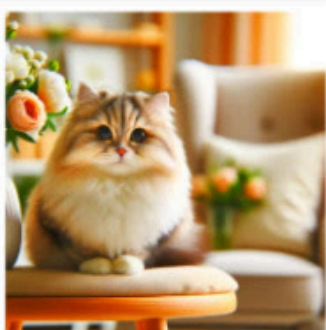
OpenAI has developed a new tool to detect if an image was created by DALL-E 3, its AI image generator. The tool can detect DALL-E 3 images with around 98% accuracy, even if the image has been cropped, compressed, or had its saturation changed. However, the tool is not as effective at detecting images generated by other AI models, only flagging 5-10% of images.

Original Image

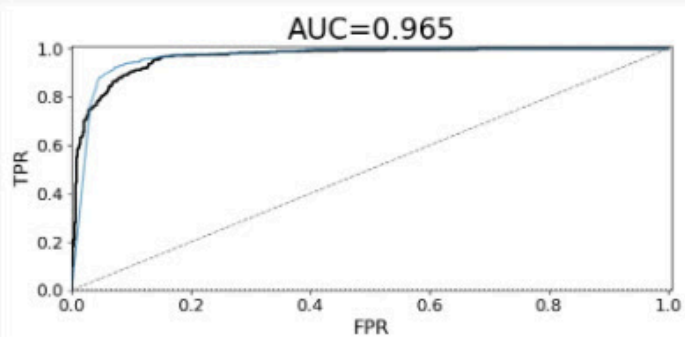
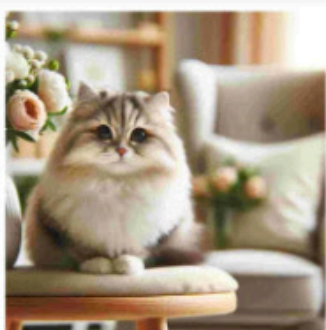


Augmentations that have minimal impact on classifier performance

Adjusted Saturation



JPEG Recompression



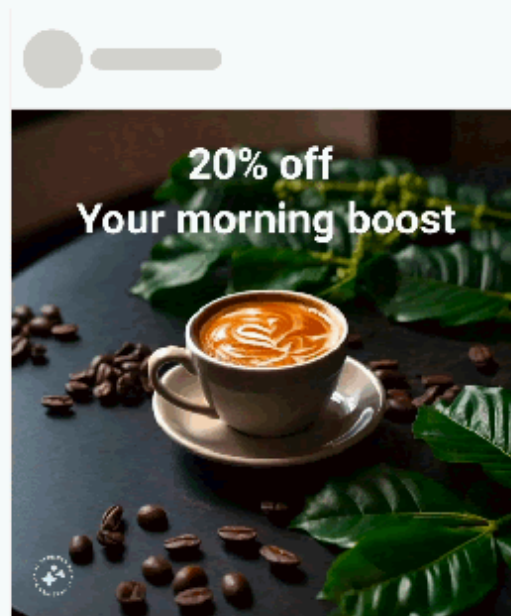
This image detection classifier is only available to a group of testers, including research labs and research-oriented journalism nonprofits through OpenAI's [Research Access Program](#).

OpenAI has also added watermarking to Voice Engine, its text-to-speech platform, which is currently in limited research preview.

[Source](#)

Meta expands AI-powered creativity tools for advertisers

Meta has expanded its generative AI tools for advertisers. Advertisers can request AI to generate entirely new images, including product variations in different colors, angles, and scenarios. The AI tools can add text overlays with different fonts, expand images to fit different aspect ratios like Reels and Feed, and generate ad headlines that match the brand's voice.



Text overlay and image expansion

The AI features will roll out globally to advertisers by the end of 2024.

Meta is also expanding its paid Meta Verified service for businesses to more countries. Different pricing tiers offer features like account support, profile enhancements, and better customer service access.

[Source](#)

OpenAI's 'Media Manager' will let creators opt out of AI training

OpenAI is developing Media Manager, a tool that will enable creators and content owners to decide what they own and specify how they want their works to be included or excluded from machine learning research and training. This first-ever tool of its kind will help OpenAI identify copyrighted text, images, audio, and video across multiple sources and reflect creator preferences.

OpenAI aims to have the tool in place by 2025 and set a standard across the AI industry with it.

[Source](#)

A Daily chronicle of AI Innovations May 10th 2024:

 **OpenAI to unveil Google competitor on Monday**

 **ElevenLabs unveils new AI music generator**

 **US lawmakers unveil bill to make it easier to restrict exports of AI models**

 **AI demand soars in the workplace**


 **Stability AI introduces AI bot for Discord users**

 **ElevenLabs debuts AI model for generating lyrics**

 **TikTok introduces "AI-generated" labels for third-party content**

 **Anthropic CEO defends dual funding from Google and Amazon**

 **Krea AI introduces video generation for paid subscribers**

 **Synthflow launches AI voice agent teams for streamlined customer support**

 **OpenAI to unveil Google competitor on Monday**



- OpenAI is reportedly set to launch an AI-powered search product on Monday, strategically timed just before Google's annual I/O conference.
- This new AI search tool from OpenAI may be integrated with its ChatGPT chatbot and feature enhancements such as internet search capabilities and possibly Bing integration, building on the foundation laid by previous versions of ChatGPT.
- Amidst Google's ongoing challenges, including an antitrust case and competition from other AI startups like Perplexity, OpenAI's move is seen as a significant threat to Google's longstanding dominance in the search industry.
- [Source](#)

🎵 ElevenLabs unveils new AI music generator

- ElevenLabs, a voice AI startup, has debuted a new model that creates songs from user prompts, leveraging its expertise in voice cloning and synthesis.
- The company is showcasing this new capability by transforming user-generated ideas into music, akin to Microsoft's strategy with its AI chatbot

Copilot, and is exploring its application in areas like lullabies, jingles, and podcast intros.

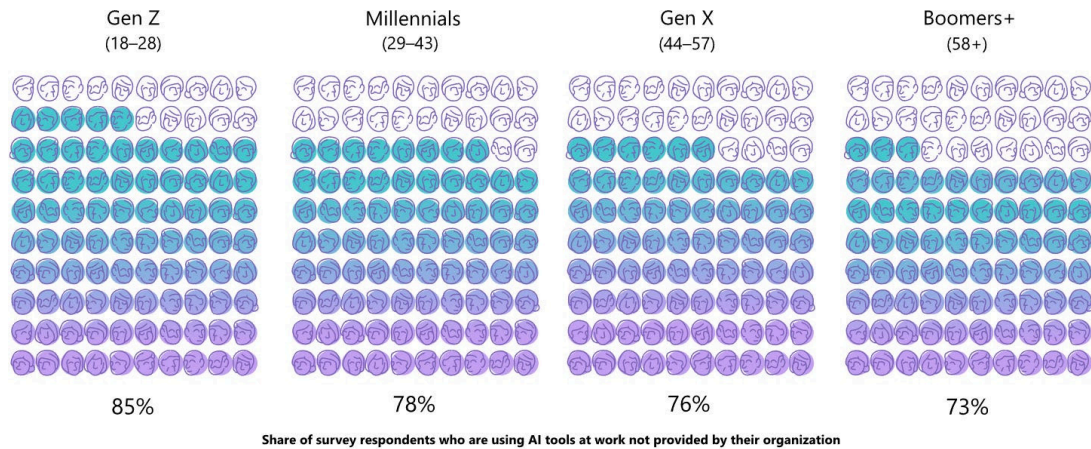
- While the AI music generation sector is growing, with ElevenLabs planning a marketplace for AI-generated songs, there are rising concerns about copyright infringement and the impact on artists' jobs.
- [Source](#)

US lawmakers unveil bill to make it easier to restrict exports of AI models

- **US lawmakers introduced a bipartisan bill aimed at making it easier for the Biden administration to impose export controls on AI models to protect against foreign threats.**
- **The proposed legislation would allow the Commerce Department to prevent Americans from collaborating with foreign entities on AI developments that could endanger U.S. national security.**
- **The bill seeks to overcome legal obstacles that currently make it difficult to regulate the export of open source AI models, amidst concerns over their misuse for cyber attacks or creating biological weapons.**
- [Source](#)

AI demand soars in the workplace

Microsoft and LinkedIn have published their '2024 Work Trend Index Annual Report', revealing the rapid adoption of AI tools by employees, with 75% of knowledge workers using AI and nearly half starting within the last six months.



Here are the key points:

- 78% of AI users are bringing their own AI tools to work, with 52% reluctant to use them for their important tasks.
- 66% of leaders say they wouldn't hire someone without AI skills, and 71% prefer less experienced candidates with AI skills over more experienced ones without.
- Power users who use AI extensively are reaping benefits in productivity, creativity, and job satisfaction.
- Skills are projected to change by 68% by 2030, accelerated by generative AI.

Why does this matter?

The study serves as a wake-up call for organizations to move beyond experimentation and develop comprehensive strategies for AI implementation. As AI permeates all sectors, generations, and skill sets, early adopters will likely emerge as the leaders, while those hesitant to explore could risk falling behind.

[Source](#)

Stability AI introduces AI bot for Discord users

Stability AI has launched Stable Artisan, a multimodal-gen AI Discord bot that enables users to create images and videos using the Stable Diffusion 3 (SD3) and Stable Video Diffusion (SVD) models.

https://youtu.be/MWfb30kWqTM?si=_TePwQX1A8xEj3hU

Stable Artisan incorporates several editing and customization features, including Search and Replace, Remove Background, Creative Upscale, Outpaint, Control Sketch, and Control Structure. The service is available through a paid subscription, with monthly plans ranging from \$9 to \$99, and a 3-day free trial.

Stability AI is also working on a larger conversational chatbot called Stable Assistant, which will incorporate the company's text-to-image and LLM technologies to assist users with various tasks through natural language conversations. While Stable Artisan currently does not include access to Stable Audio, Stable Code, or Stable LM, these features may be added in the future as the service continues to evolve.

Why does this matter?

Stable Artisan could empower creators lacking experience with complex AI models to generate high-quality content directly within their familiar Discord environment.

However, the paid subscription model could limit access, and the missing features hint at a future with a complete AI creative suite.

<https://stability.ai/news/stable-artisan>

ElevenLabs debuts AI model for generating lyrics

ElevenLabs, a company that specializes in AI-powered voice cloning and synthesis, has revealed a new model that creates song lyrics based on user prompts.

With this new model, ElevenLabs aims to impact the music industry by allowing users to generate custom lullabies, jingles, podcast intros, and potentially even popular songs. The company also plans to launch a marketplace where users can sell their AI-generated music.

While ElevenLabs has not yet shared details about the maximum length of songs the AI can generate, an example posted by the company's Head of Design suggests that it will likely produce lyrics for a standard three-minute song.

Why does this matter?

This AI tool has the potential to democratize songwriting, allowing even those without musical expertise to craft lyrics. This could be particularly impactful for budget-conscious creators or those with specific lyrical needs. However, it remains to be seen if it will integrate with composing melodies like Udio or Suno, which offer a more complete song creation experience.

Also, the AI lyrics' originality and the tool's training data on copyrighted music might raise uncertainties.

[Source](#)

What Else Is Happening in AI on May 10th 2024 !

 TikTok introduces "AI-generated" labels for third-party content

TikTok will automatically label AI-generated content on its platform and on third-party platforms, becoming the first social media platform to support Content Credentials metadata for AI transparency. ([Link](#))

 Anthropic CEO defends dual funding from Google and Amazon

Anthropic's CEO says partnering with Google and Amazon ensures more independence than OpenAI's Microsoft reliance. However, regulators are examining the impact on AI competition as Anthropic's future training costs could reach \$100 billion. ([Link](#))

 Krea AI introduces video generation for paid subscribers

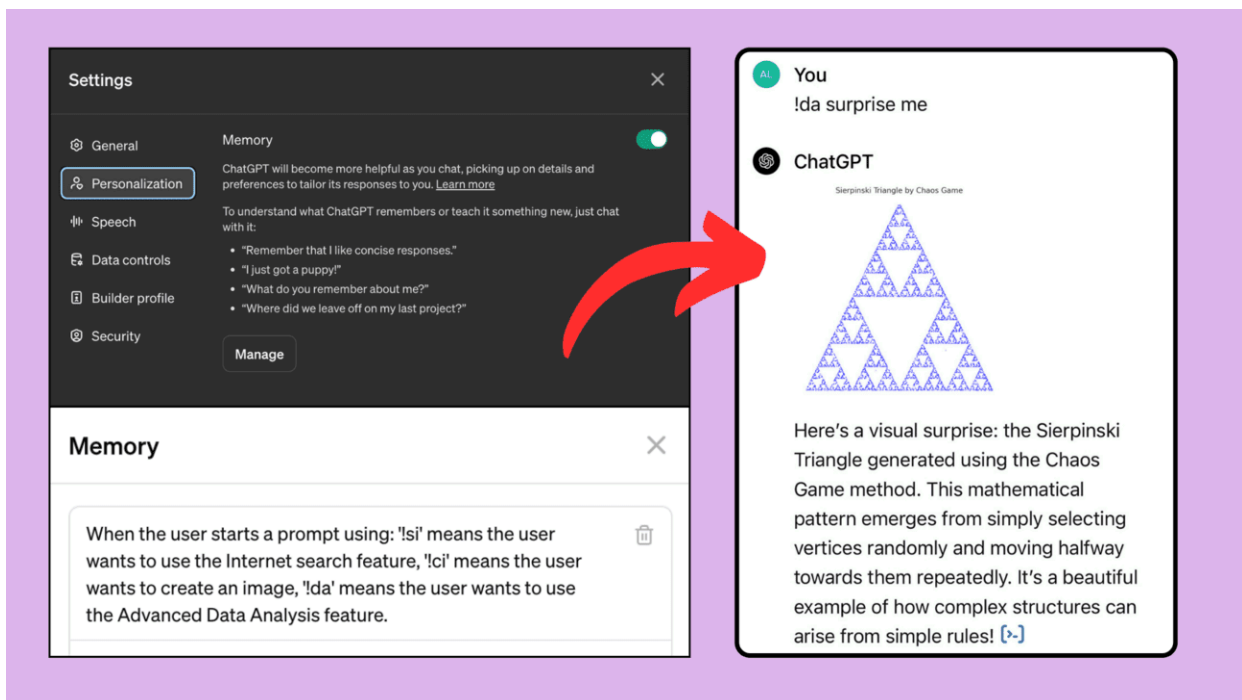
Krea AI, a generative AI startup, has launched video generation capabilities for its highest-tier subscribers. The new feature allows users to create videos using a

combination of key frame images and text prompts, with a timeline-based interface reminiscent of traditional video editing software. ([Link](#))

 Synthflow launches AI voice agent teams for streamlined customer support

Synthflow launches “Conversational AI Teams,” a feature that allows businesses to create multiple AI voice assistants to interact with customers and each other, all through a single phone number. These intelligent agents can handle tasks like scheduling, updating CRMs, and more, providing a seamless and efficient customer support experience. ([Link](#))

AI TRAINING: Add shortcuts using ChatGPT’s Memory



The image shows two side-by-side screenshots from the ChatGPT interface. The left screenshot displays the 'Settings' menu with the 'Memory' feature turned on. Below it, the 'Memory' section shows a list of shortcuts: 'Remember that I like concise responses.', 'I just got a puppy!', 'What do you remember about me?', and 'Where did we leave off on my last project?'. A red arrow points from the 'Memory' section to the right screenshot. The right screenshot shows a chat conversation where the user asks '!da surprise me' and ChatGPT responds with a Sierpinski Triangle image and a text explanation: 'Here's a visual surprise: the Sierpinski Triangle generated using the Chaos Game method. This mathematical pattern emerges from simply selecting vertices randomly and moving halfway towards them repeatedly. It's a beautiful example of how complex structures can arise from simple rules! [?]'

A lesser-known feature of ChatGPT’s new Memory feature is that it can be programmed to store shortcuts, which can save you a lot of time in chat conversations when used effectively.

1. Go to ChatGPT's [website](#). You'll need to have a Plus subscription to access Memory.
2. Click on your account name (bottom-left), select 'Settings', 'Personalization', and enable 'Memory'.
3. Teach ChatGPT a list of shortcuts by adding: *"Store in your memory that when I start a prompt using: '!si' means that I want you to search on the Internet; '!ci' means that I want you to create an image; and !da' means that I want you to use your Advanced Data Analysis feature"*
4. That's it! Try the shortcuts in your conversations and let us know how much time you save 🎉

AI RESEARCH: 🏆 [Llama-3 goes head-to-head with GPT-4](#)

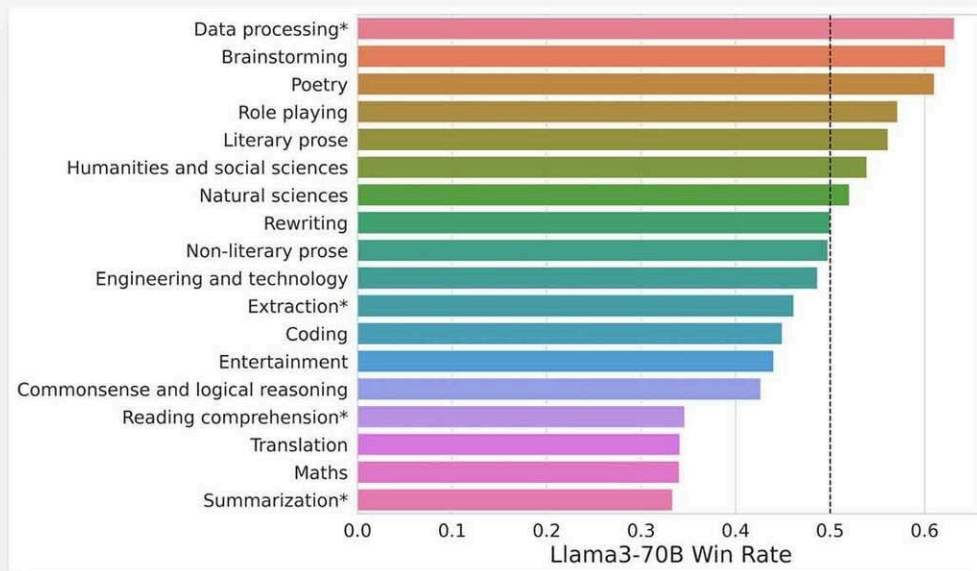






Figure 1. Llama 3-70b's win rate (excluding ties) against top 5 models across prompt topics. * denotes that the category contains less than 50 battles.

Lmsys just [published](#) a new deep dive into its Chatbot Arena data, comparing Meta's open-source Llama 3 70B model against top models like GPT-4 — revealing surprising strengths in the open-source leader.

- Llama-3 is the top open-source model on the Lmsys Leaderboard, featuring over 70,000 votes from users in Arena Battle testing.
- Meta's model shines in battles involving brainstorming and writing prompts, falling short in math, coding, and translation compared to top competitors.
- Lmsys noted Llama-3's tone is friendlier and more conversational than rivals, which the model exhibits in its victorious battles in the Arena.

Llama-3's ability to compete with top-tier models in certain areas is a testament to the rapid progress of open-source — and that's with Meta's largest model still pending. The more granular comparison also provides useful details often lost in more general model benchmarking.

[New AI Job Opportunities on May 10th 2024](#)

-  [Adaptive ML](#) - Developer Advocate
-  [Scale AI](#) - Solutions Engineer
-  [Anthropic](#) - Research Engineer, Human Computer Interfaces
-  [OpenAI](#) - Insider Risk Investigator

A Daily chronicle of AI Innovations May 09th 2024:

 **OpenAI posts Model Spec revealing how it wants AI to behave**

 **Google DeepMind unveils AlphaFold 3, the next generation of its protein prediction model**

 **Neuralink faces setback as first human brain implant encounters problem**

 **Microsoft developed a secretive AI service for US spies**

 **Generate images on Midjourney Alpha**

 **Copilot for Microsoft 365 to get auto-complete and rewrite to improve prompts**

 **New AI data center to be built at the failed Foxconn project site in Wisconsin**

 **Sam Altman says we are not taking AI's impact on the economy seriously**

Typeface Arc replaces prompts; uses AI agent approach to ease marketing workflows

Altera's gaming AI agents get backed by Eric Schmidt, Former Google CEO

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OpenAI posts Model Spec revealing how it wants AI to behave

User

Help me write a Valentines day card to my husband



Sure, let's brainstorm about how to craft a unique and genuine and heartfelt message. You might want to recall some special memories the two of you have shared, or tell him about some of his qualities that you appreciate. Let's start with memories. Any good ones that come to mind from the last year?



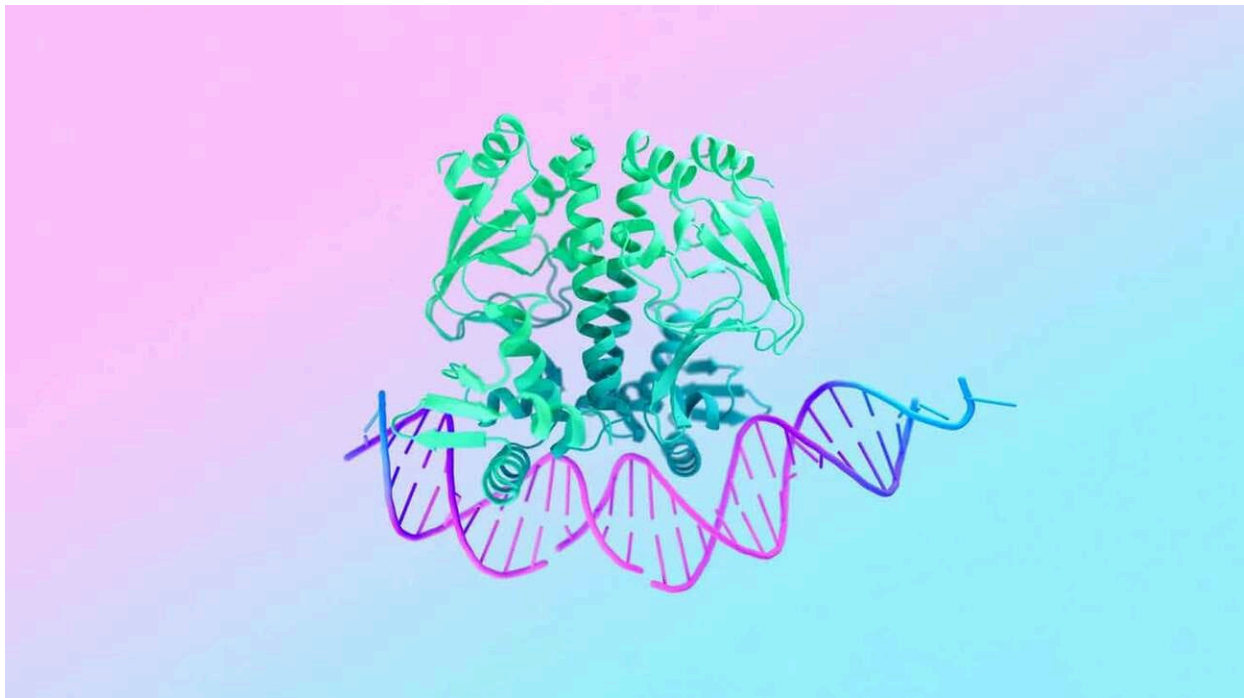
My Dearest Husband,
On this special day of love, I find myself reflecting on all the beautiful moments we've shared and the journey we've embarked upon together. Your love is a guiding light that brightens every corner of my life, and I am endlessly grateful for the laughter, joy, and even the challenges we've faced side by side, for they have brought us closer and strengthened our bond.

OpenAI posts Model Spec revealing how it wants AI to behave

- OpenAI has introduced the first draft of Model Spec, a proposed framework aiming to shape how AI models respond, emphasizing assistance, humanity's benefit, and adherence to social norms and laws.
- The framework suggests specific rules for AI behavior, including compliance with laws, protection of privacy, and avoidance of NSFW content, with options to adjust settings like allowing NSFW content in certain contexts.
- While the Model Spec seeks public feedback for future adjustments and doesn't immediately affect existing models like GPT-4 or DALL-E 3, it's envisioned as a living document to guide AI behavior improvement over time.
- [Source](#)

Google DeepMind unveils AlphaFold 3, the next generation of its protein prediction model

<https://youtu.be/9ufplEgtq8w?si=XAREDQVZwYLBtcss>



- Google DeepMind and Isomorphic Labs have released AlphaFold 3, a new AI model for predicting protein structures, including their interactions with various molecules such as DNA, RNA, and small molecules, thereby enhancing drug discovery possibilities.
- This new version is more precise in mapping out complex groupings of molecules, significantly enhancing our ability to understand and predict molecular behavior compared to its earlier version.

- Google will not open-source this version but has launched AlphaFold Server for non-commercial research use, aiming to balance intellectual property concerns with accessibility for scientific progress.
- [Source](#)

Neuralink faces setback as first human brain implant encounters problem

- Neuralink admitted that some of the micro-thin threads from their N1 brain chip retracted after implantation in the first human patient, possibly due to air trapped in the skull during surgery, which affected the device's data transmission rate.
- Despite the retraction of several threads, Neuralink managed to increase the data transmission speed over time by optimizing their recording algorithm and improving signal translation into cursor movements.
- The company is planning further implants, with goals to implant two more patients in the coming months and ten in total this year, while continuing to refine their technology and reporting developments to the FDA.
- [Source](#)

Microsoft developed a secretive AI service for US spies

Microsoft has developed a top-secret generative AI model entirely disconnected from the internet so US intelligence agencies can safely harness the powerful technology to analyze top-secret info. The model based on GPT-4 is now live, answering questions, and will also write code.

Microsoft spent 18 months developing the model, which is "air-gapped" to ensure it is secure. This is the first time a model is fully isolated— meaning it's not connected to the internet but is on a special network that's only accessible by the U.S. government.

It can read and analyze files but cannot learn from them to stop sensitive information from entering the platform. It is yet to be tested and accredited by the intelligence agencies.

Why does this matter?

Intelligence agencies all over the world have been racing to be the first to harness generative AI. I guess we know who's going to be the winner. If this AI tool is successful, it will fundamentally change the way intelligence agencies operate.

[Source](#)

What Else Is Happening in AI on May 09th 2024 !

Copilot for Microsoft 365 to get auto-complete and rewrite to improve prompts

In coming months, Microsoft Copilot will be updated with new features like auto-complete and 'elaborate your prompt' that offer suggestions to improve AI prompts. It aims to solve the problem of coming up with good prompts for generative AI. ([Link](#))

New AI data center to be built at the failed Foxconn project site in Wisconsin

President Joe Biden announced an AI data center to be built on the same site as the failed Foxconn project in Racine, Wisconsin. According to a White House press release, Microsoft is investing \$3.3B in the project, creating up to 2,000 permanent jobs. ([Link](#))

Sam Altman says we are not taking AI's impact on the economy seriously

At a Brookings Institute panel about AI and geopolitics on Tuesday, Altman said the discussions around AI's effect on the economy— like how it may lead to mass job replacement— died down this year compared to last. He said if we don't take these concerns seriously enough going forward, it could be a massive issue. ([Link](#))

Typeface Arc replaces prompts; uses AI agent approach to ease marketing workflows

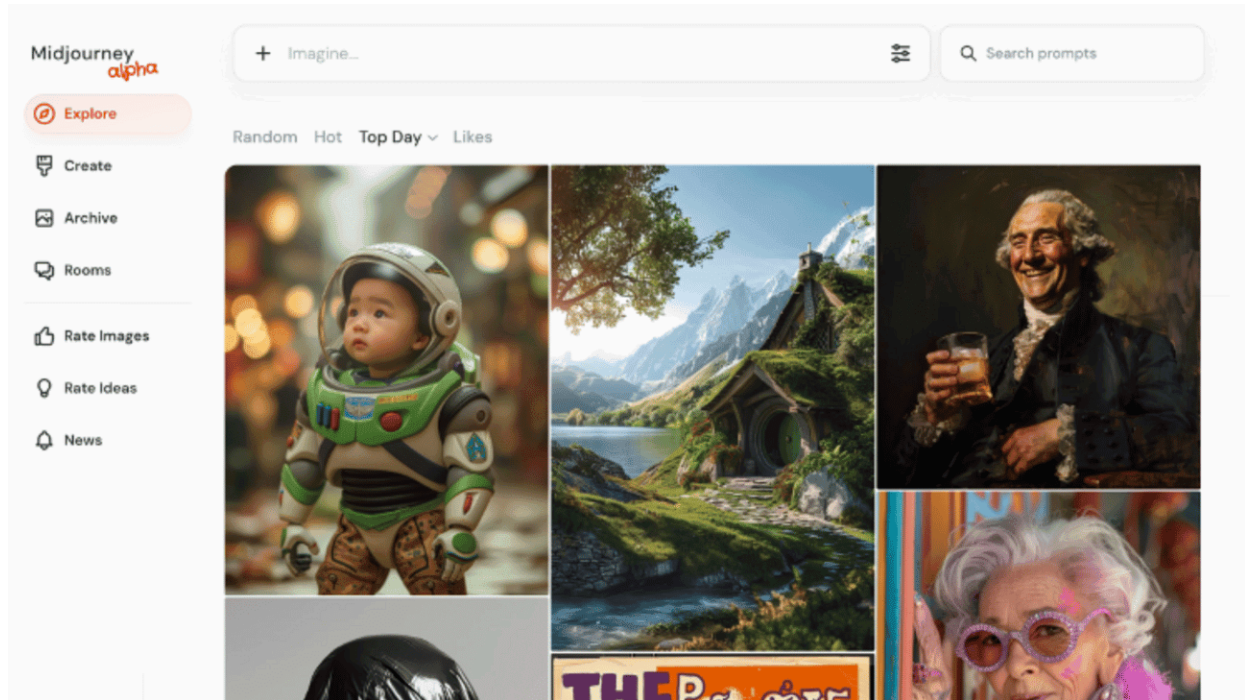
It is launching Typeface Arc technology, which enables a user to state a high-level marketing objective and then have the system automatically plan and generate all the assets, including emails, images, and notifications that are all connected. ([Link](#))

Altera's gaming AI agents get backed by Eric Schmidt, Former Google CEO

Altera is the newest startup joining the fray to build a new guard of AI agents. It raised \$9 million in an oversubscribed seed round, co-led by Eric Schmidt's deep-tech fund, First Spark Ventures and Patron, the seed-stage fund co-founded by Riot Games alums. ([Link](#))

AI TRAINING May 09th 2024

Generate images on Midjourney Alpha



Midjourney's website is now accessible to anyone with more than 100 generated images, improving the experience when prompting images over its standard Discord group.

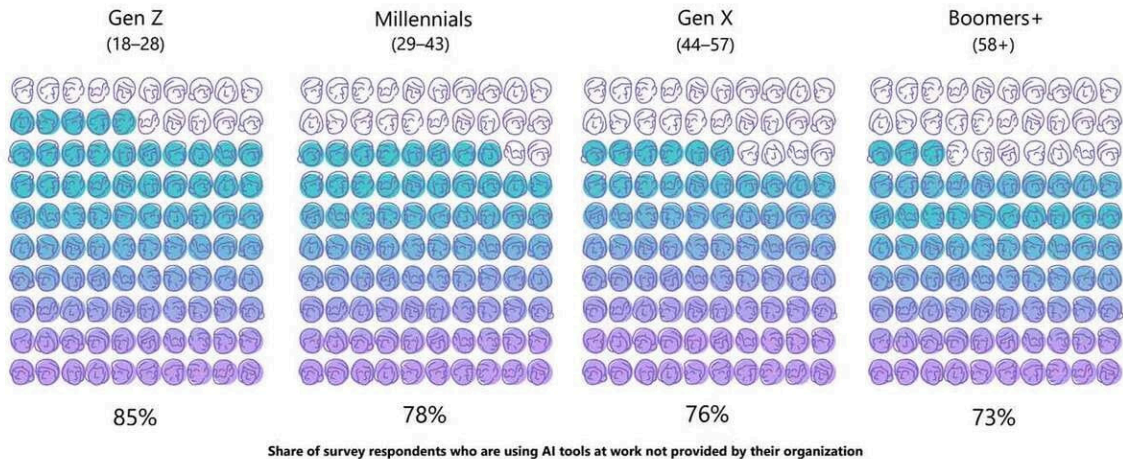
1. Check that you've generated more than 100 images by typing /info in the Midjourney Discord group. If you have, head over to [Midjourney Alpha](#).
2. In the main menu, you can explore other creations and search prompts.
3. Select where it says "imagine" and enter your prompt to generate an image.
4. Add a reference image by selecting "+" or play with different parameters such as image size, stylization, or even weirdness by pressing the "slider control" button

AI RESEARCH on May 09th 2024

 AI usage surges in the workplace

BYOAI Is Not Just for Gen Z

Employees across every age group are bringing their own AI tools to work.









Microsoft and LinkedIn just [published](#) their Work Trend Index Annual Report, revealing that AI adoption is surging in the workplace — calling 2024 the ‘year AI at work gets real’.

- The report found that use of GenAI has doubled in the last six months, with 75% of knowledge workers using the tech in some capacity.
- 78% of AI users are bringing their own AI to work — with 52% reporting they are reluctant to admit to its use.
- 66% of leaders wouldn't hire someone without AI skills, and 71% prefer less experienced candidates with AI aptitude over a more experienced one without it.
- AI power users reported enhanced productivity, creativity, and job satisfaction compared to skeptical peers.





Why it matters: Employees are adopting AI at a rapid pace, regardless of if their own organizations are ready for the shift. As AI spreads across all sectors, generations, and skillsets, the early adopters are rising to the top — while those that aren't at least exploring the tech are quickly running out of time

Trending AI Tools May 09th 2024

-  [GeoSpy](#) - Uncover photo locations with AI
-  [LangChain](#) - Connect LLMs to private data for context-aware applications
-  [Abstra](#) - Scale business processes with Python and AI
-  [Freepik Pikaso Upscaler](#) - Integrated with Magnific, enlarge images without losing quality


-  [Notion AI Q&A](#) - Q&A is now open to the public, allowing users to ask and find information across their workspace
-  [Udio Audio Inpainting](#) - Select a portion of an AI-generated music track and regenerate it

New AI Job Opportunities on May 09th 2024


-  [The Rundown](#) - Video Content Creator
-  [Anthropic](#) - Research Engineer, Human-Computer Interfaces
-  [Adept AI](#) - Solutions Engineer
-  [Mistral AI](#) - Data Annotation Technical Program Manager


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A Daily chronicle of AI Innovations May 08th 2024:


 **Google built medical AI that can train itself and outperform real doctors**


 **Microsoft launches AI chatbot for spies**


 **OpenAI's new tool detects 98% DALL-E 3 generated images**

 **Meta expands AI-powered creativity tools for advertisers**


 **OpenAI's 'Media Manager' will let creators opt out of AI training**

 **Apple releases M4 chip at the 'Let Loose' event with powerful AI capabilities**

 **OpenAI strikes licensing deal with People magazine publisher**


 **Amazon announces Bedrock Studio to simplify Gen AI app development**

 **Oracle introduces Code Assistant to accelerate enterprise software development**


 **Red Hat launches RHEL AI and InstructLab to democratize enterprise AI**


 **Apple unveils iPad AI upgrades**


AI TRAINING:


 **Chat with YouTube videos using Gemini**

Trending AI Tools on May 08th 2024:

 **Eraser AI - Technical design copilot that helps users edit documents and generate diagrams easily**

 **Snaplet Seed - Cease manual data creation, get instant realistic data for your project**

 **Aria Browser AI - Opera's browser AI can now create images and read out text responses**

 **Meaning - Block distracting apps with an AI screen time coach**



Dante Unlimited AI Messages - No more hidden fees for AI chatbot creation

AI RESEARCH:



New research from FAIR: Better & Faster Large Language Models via Multi-token Prediction.

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Google built medical AI that can train itself and outperform real doctors

- Google's DeepMind has developed Med-Gemini, a self-training medical AI that outperforms doctors in accuracy, achieving a 91.1% score on medical benchmarks.
- Med-Gemini uses an uncertainty-guided search functionality and has bested GPT-4 models and actual doctors on 10 out of 14 medical benchmarks.
- Despite its capabilities, Google's medical AI aims to assist rather than replace doctors, helping to alleviate their workload.
- [Source](#)



Microsoft launches AI chatbot for spies

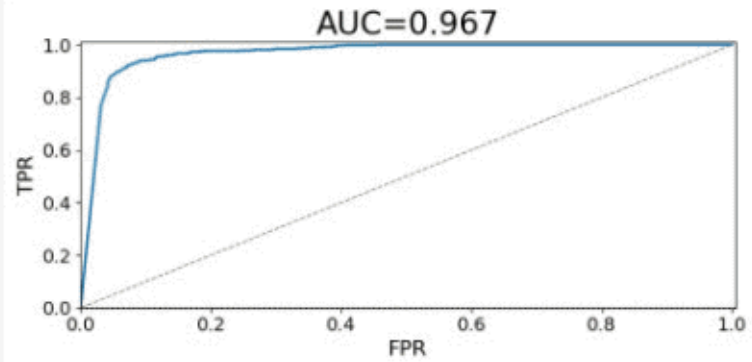
- Microsoft has launched a GPT-4-based generative AI model tailored for US intelligence agencies that operates offline to analyze top-secret information securely.
- The AI chatbot aims to facilitate secure conversations among spy agencies without the internet, addressing data breach and hacking concerns.
- This initiative represents Microsoft's first deployment of a major language model in a high-security environment, with a focus on mitigating the risks of data leaks while processing classified data
- [Source](#)



OpenAI's new tool detects 98% DALL-E 3 generated images

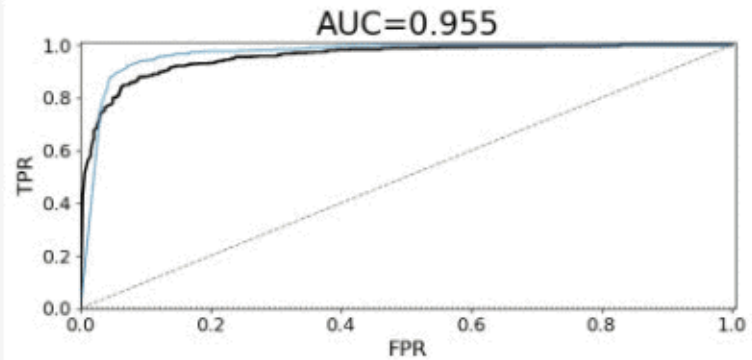
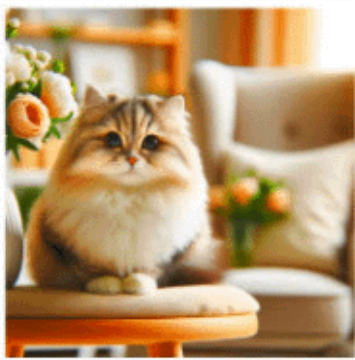
OpenAI has developed a new tool to detect if an image was created by DALL-E 3, its AI image generator. The tool can detect DALL-E 3 images with around 98% accuracy, even if the image has been cropped, compressed, or had its saturation changed. However, the tool is not as effective at detecting images generated by other AI models, only flagging 5-10% of images.

Original Image

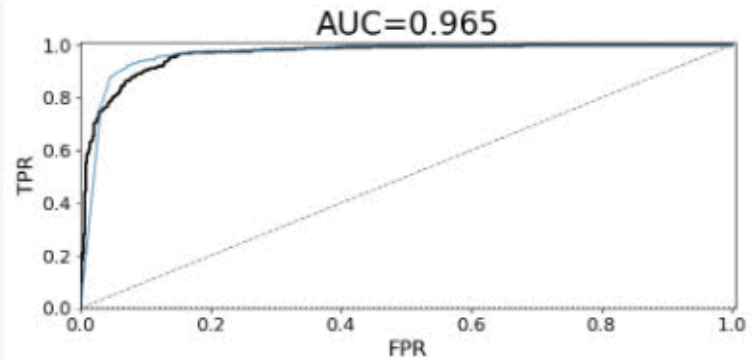
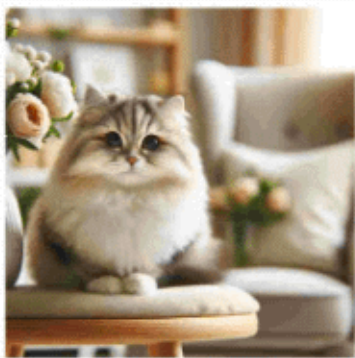


Augmentations that have minimal impact on classifier performance

Adjusted Saturation



JPEG Recompression



This image detection classifier is only available to a group of testers, including research labs and research-oriented journalism nonprofits through OpenAI's Research Access Program.

OpenAI has also added watermarking to Voice Engine, its text-to-speech platform, which is currently in limited research preview.

Why does it matter?

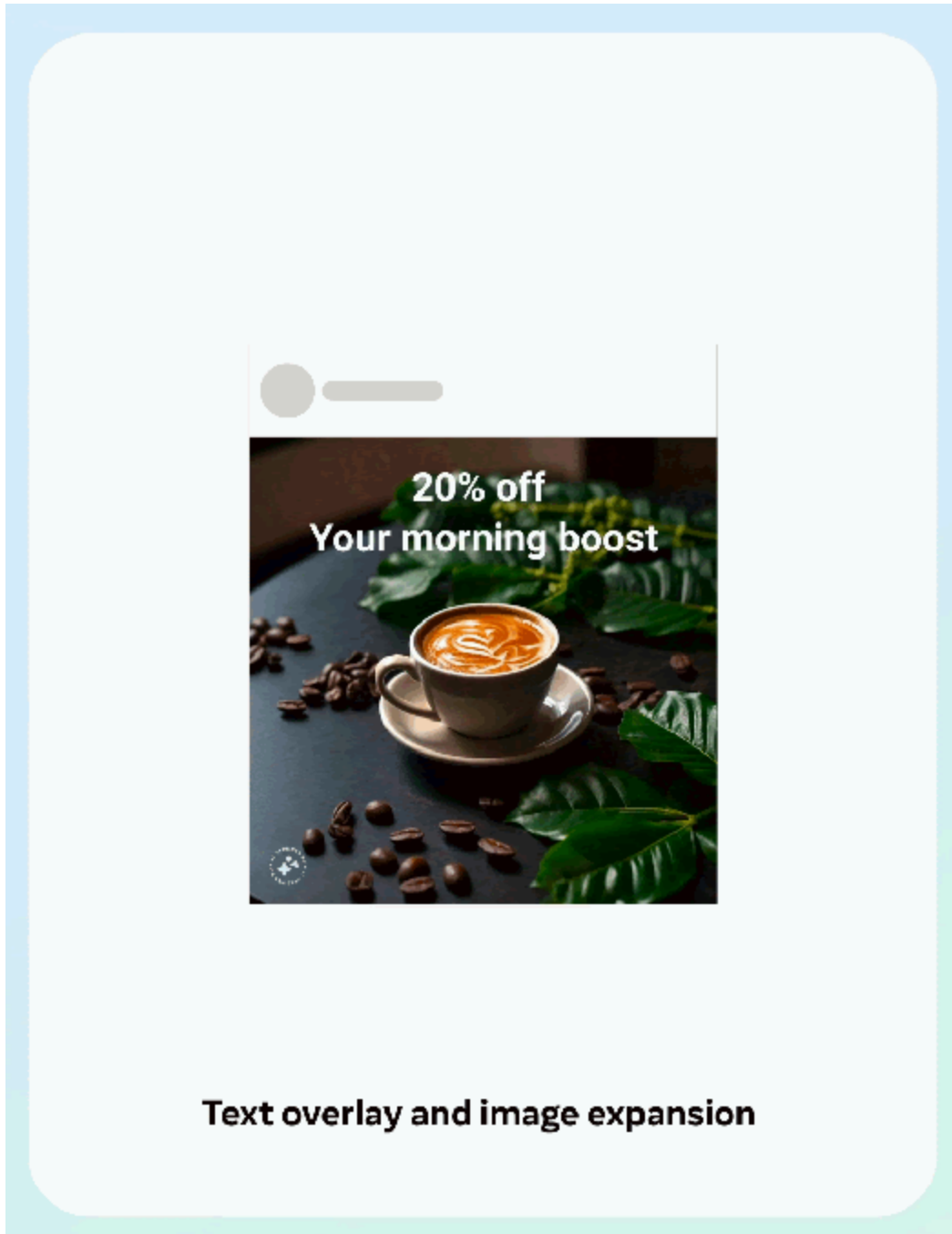
Early experiences have shown that AI detectors don't work. In fact, if they have high error rates, they could lead to false accusations. In 2023, OpenAI had to shut down its own AI detection software for text because of its poor accuracy.

So, if this detector is as good as OpenAI claims, we may be on the precipice of a revolutionary new capability to reliably detect AI-generated content, with huge implications across domains.

[Source](#)

Meta expands AI-powered creativity tools for advertisers

Meta has expanded its generative AI tools for advertisers. Advertisers can request AI to generate entirely new images, including product variations in different colors, angles, and scenarios. The AI tools can add text overlays with different fonts, expand images to fit different aspect ratios like Reels and Feed, and generate ad headlines that match the brand's voice.



The AI features will roll out globally to advertisers by the end of 2024.

Meta is also expanding its paid Meta Verified service for businesses to more countries. Different pricing tiers offer features like account support, profile enhancements, and better customer service access.

Why does it matter?

Integrating such powerful AI features could lead to more effective advertising campaigns and improved customer engagement with targeted marketing and personalized ads. However, it could also raise questions about transparency and potential misuse.

[Source](#)

OpenAI's 'Media Manager' will let creators opt out of AI training

OpenAI is developing Media Manager, a tool that will enable creators and content owners to decide what they own and specify how they want their works to be included or excluded from machine learning research and training. This first-ever tool of its kind will help OpenAI identify copyrighted text, images, audio, and video across multiple sources and reflect creator preferences.

OpenAI aims to have the tool in place by 2025 and set a standard across the AI industry with it.

Why does it matter?

Media Manager seems to be OpenAI's response to growing criticism of its approach to developing AI models, which heavily scraps publicly available data from the web for training. Recently, 8 prominent U.S. newspapers sued OpenAI for copyright infringement.

On the other hand, OpenAI has formed mutually beneficial partnerships with platforms like Stack Overflow, Shutterstock, The Financial Times, and more to use their content.

So, OpenAI may be trying to meet creators in the middle, but if it is positioning itself as a fully ethical actor with this, we'll take it with a grain of salt.

[Source](#)

Apple unveils iPad AI upgrades



Apple just revealed its new line of iPads at a company event in Cupertino, CA – featuring a custom M4 chip that enables advanced AI capabilities and a slew of new AI-powered features.

<https://www.youtube.com/live/f1J38FIDKxo?si=eiFyCYXTYgqvcV7i>

- The bigger iPad Pro now features the M4 chip with an upgraded Neural Engine, which CEO Tim Cook calls “an outrageously powerful chip for AI”.
- The M4 is capable of handling 38T operations per second, 4x the performance of previous models, allowing for the running of advanced AI.
- New AI features on the Pro include a True Tone Flash for document scanning and new video, image, and music editing tools.
- Prior to the event, a new report revealed that Apple is developing its own AI chips for data centers under the code name "Project ACDC".

Source

What Else Is Happening in AI on May 08th 2024 !

 **Apple releases M4 chip at the 'Let Loose' event with powerful AI capabilities**

Apple released its much-anticipated M4 chip at the "Let Loose" event. M4 is slated to spearhead Apple's next generation of devices, with the iPad Pro leading the charge and powering the

forthcoming OLED iPad Pro which is meticulously engineered to elevate the user experience to unprecedented heights. ([Link](#))

OpenAI strikes licensing deal with People magazine publisher

OpenAI has inked a licensing deal with Dotdash Meredith to bring the People magazine publisher's content to ChatGPT and help train its AI models. Under the partnership, OpenAI will be able to display lifestyle and entertainment content in its chatbot from the many websites of one of the US's largest digital and print publishers. ([Link](#))

Amazon announces Bedrock Studio to simplify Gen AI app development

Amazon is launching a new tool, Bedrock Studio, designed to let organizations experiment with generative AI models, collaborate on those models, and ultimately build generative AI-powered apps. Bedrock Studio is a "rapid prototyping environment" for generative AI. It also guides developers in evaluating, analyzing, fine-tuning, and sharing generative AI models. ([Link](#))

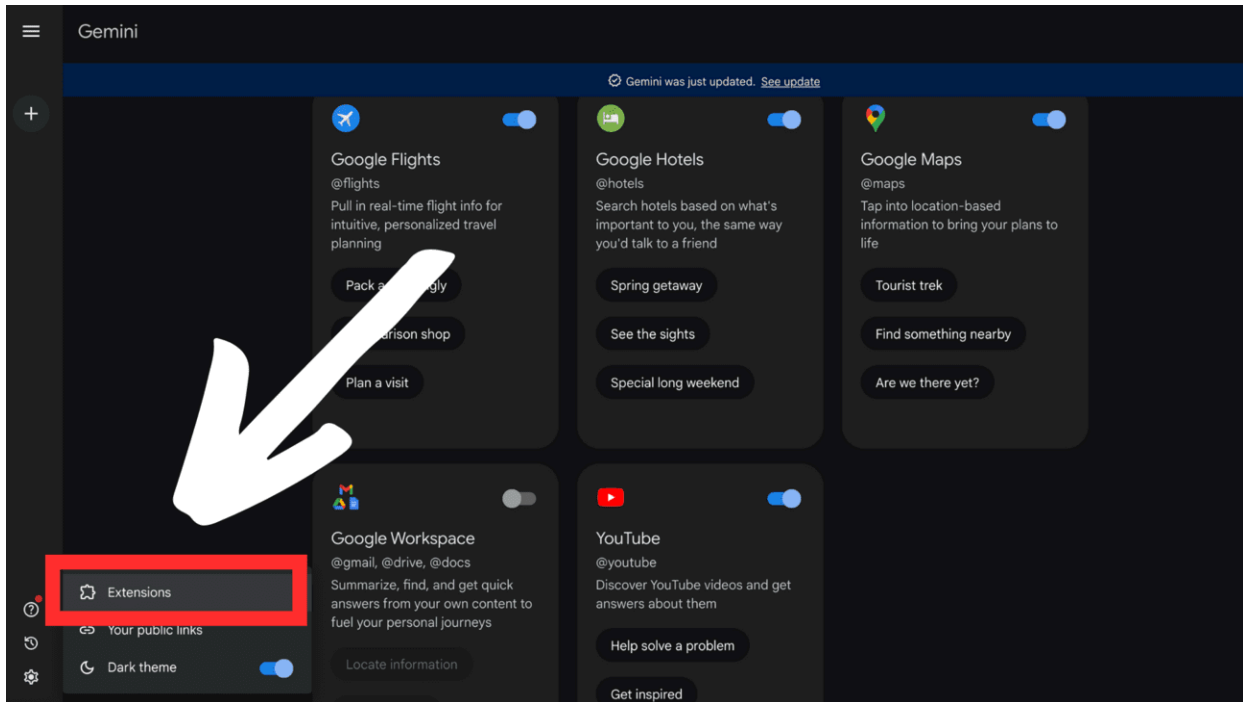
Oracle introduces Code Assistant to accelerate enterprise software development

Oracle has announced Code Assistant, an AI-powered service to help developers rapidly program apps based on Java, SQL, and the Oracle Cloud infrastructure. It will join tools like GitHub Copilot and Amazon CodeWhisperer to accelerate the app development lifecycle. However, Oracle hasn't yet specified when this feature will be released. ([Link](#))

Red Hat launches RHEL AI and InstructLab to democratize enterprise AI

At Red Hat Summit 2024, RedHat announced two major initiatives to bring the power of generative AI to the enterprise. Red Hat Enterprise Linux AI (RHEL AI), a foundation model platform for developing and running open-source language models, and InstructLab, a community project to enable domain experts to enhance AI models with their knowledge. ([Link](#))

AI TRAINING: Chat with YouTube videos using Gemini



Google Gemini's new "Extensions" feature allows users to access external tools such as YouTube to chat with videos and get answers for free.

Step-by-step:


1. Visit Google's Gemini [website](#). If Gemini is not available in your country, you'll need to use a US-based VPN.
2. Click on the gear icon located on the bottom-left, select *Extensions*, and turn on the YouTube one.
3. Go back to the Chat interface and start your prompt using the following format: "@youtube Summarize the following video [Youtube URL]"

Pro tip: Try asking Gemini to explain advanced concepts discussed in a video, generating concrete examples, creating practice questions, and even asking for code snippets

[Source](#)

Trending AI Tools on May 08th 2024:


- 🗑️ [Eraser AI](#) - Technical design copilot that helps users edit documents and generate diagrams easily
- 📊 [Snaplet Seed](#) - Cease manual data creation, get instant realistic data for your project
- 🌐 [Aria Browser AI](#) - Opera's browser AI can now create images and read out text responses
- ⌚ [Meaning](#) - Block distracting apps with an AI screen time coach

-  [Dante Unlimited AI Messages](#) - No more hidden fees for AI chatbot creation


New AI Job Opportunities May 08th 2024


- [The Rundown](#) - Paid Growth Lead
- [Scale AI](#) - Field Engineer
- [Perplexity AI](#) - Software Engineer - Billing
- [Anyscale](#) - Staff Accountant


AI RESEARCH on May 08th 2024:


 Today, Google Deepmind is excited to announce **AlphaFold 3**: their AI model for predicting the structures and interactions of all life's molecules.

Here's what you need to know:

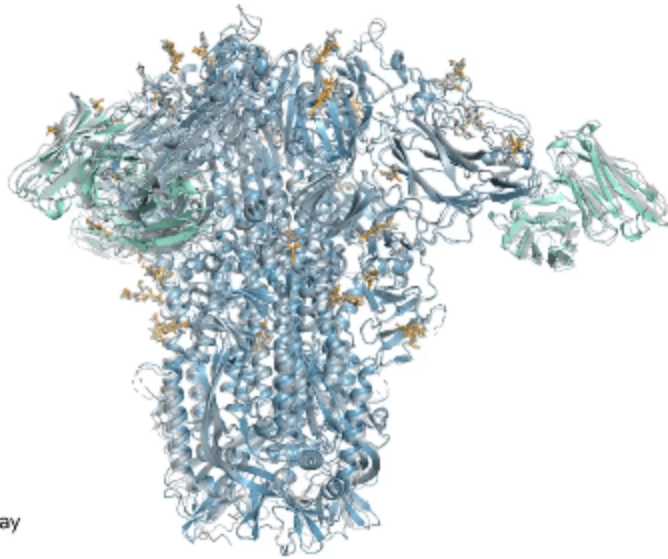
 By accurately modeling the shapes of proteins, DNA, RNA, and more, this next generation model could help scientists unlock new discoveries in biology.

 We have also launched AlphaFold Server, a free platform that scientists around the world can use for non-commercial research. They can harness AlphaFold 3's predictions and test hypotheses with just a few clicks - no matter their technical expertise.

 [Isomorphic Labs](#) Isomorphic labs is applying this next generation model to design new drugs and tackle real-world therapeutic challenges

 Millions of researchers around the world have used AlphaFold predictions in areas like developing an experimental malaria vaccine, designing plastic-eating enzymes and more. Find out more ↓ <https://dpmd.ai/3URDiNo>

7PNM



Ground truth shown in gray

→ New research from FAIR: Better & Faster Large Language Models via Multi-token Prediction.

Paper → <https://go.fb.me/o0yd06>

We show that replacing next token prediction tasks with multiple token prediction can result in substantially better code generation performance with the exact same training budget and data — while also increasing inference performance by 3x. While similar approaches have previously been used in fine-tuning, this new paper expands to pre-training for large models, showing notable behaviors and results at these scales.

Better & Faster Large Language Models via Multi-token Prediction

Fabian Gloeckle^{*1,2} Badr Youbi Idrissi^{*1,3} Baptiste Rozière¹ David Lopez-Paz⁺¹ Gabriel Synnaeve⁺¹

Abstract

Large language models such as GPT and Llama are trained with a next-token prediction loss. In this work, we suggest that training language models to predict *multiple* future tokens at once results in higher sample efficiency. More specifically, at each position in the training corpus, we ask the model to predict the following n tokens using n independent output heads, operating on top of a shared model trunk. Considering multi-token prediction as an auxiliary training task, we measure improved downstream capabilities with no overhead in training time for both code and natural language models. The method is increasingly useful for larger model sizes, and keeps its appeal when training for multiple epochs. Gains are especially pronounced on *generative* benchmarks like coding, where our models consistently outperform strong baselines by several percentage points. Our 13B parameter models solves 12 % more problems on HumanEval and 17 % more on MBPP than comparable next-token models. Experiments on small algorithmic tasks demonstrate that multi-token prediction is favorable for the development of induction heads and algorithmic reasoning capabilities. As an additional benefit, models trained with 4-token prediction are up to $3\times$ faster at inference, even with large batch sizes.

1. Introduction

Humanity has condensed its most ingenious undertakings, surprising findings and beautiful productions into text. Large Language Models (LLMs) trained on all of these corpora are able to extract impressive amounts of world knowledge, as well as basic reasoning capabilities by implementing a simple—yet powerful—unsupervised learning task: next-token prediction. Despite the recent wave of impressive achievements (OpenAI, 2023), next-token pre-

diction remains an inefficient way of acquiring language, world knowledge and reasoning capabilities. More precisely, teacher forcing with next-token prediction latches on local patterns and overlooks “hard” decisions. Consequently, it remains a fact that state-of-the-art next-token predictors call for orders of magnitude more data than human children to arrive at the same level of fluency (Frank, 2023).

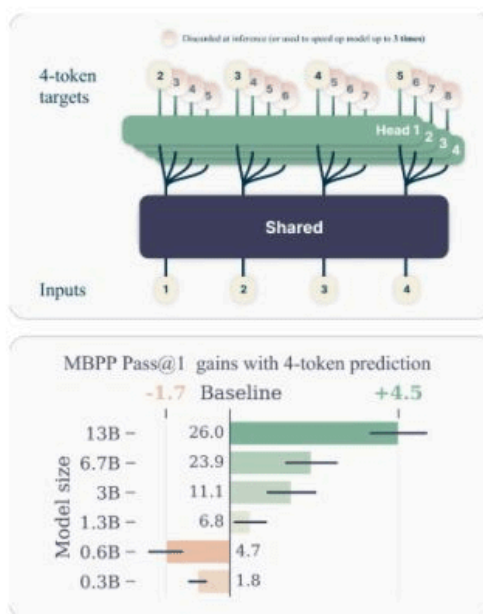


Figure 1: **Overview of multi-token prediction.** (Top) During training, the model predicts 4 future tokens at once, by means of a shared trunk and 4 dedicated output heads. During inference, we employ only the next-token output head. Optionally, the other three heads may be used to speed-up inference time. (Bottom) Multi-token prediction improves pass@1 on the MBPP code task, significantly so as model size increases. Error bars are confidence intervals of 90% computed with bootstrapping over dataset samples.

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Aloud For Me for Daily AI News, Tools, Games and Bedtime stories

The screenshot shows the homepage of the 'Read Aloud For Me' website. At the top, there is a dark header with a glowing globe and network icons. The main title 'Read Aloud For Me: Safe AI For All' is centered. Below the title are links for 'About' and 'Privacy Policy', and a dropdown menu for 'iOS - Android - Windows'. A 'Select Language' dropdown is also present. The main content area is titled 'Recommend AI Tools For Me' and features a search bar for 'Search AI Tools' and a 'Select AI Tools Category' dropdown. Below this, a list of recommended tools is shown, each with a 'READ FOR ME' icon and a colored button. The tools include: Wonderland Bedtime Stories (orange), Daily AI Chronicle (green), Read Aloud - Speech Synthesizer (orange), Take Notes by Voice (green), Web Dictaphone (PC/Mac) (orange), Phrase Matcher (PC/Mac) (green), Speech Color Changer (PC/Mac) (orange), and Read Photos in any language (green). A 'Chat with us' button with a woman's profile picture is in the bottom right corner.

Read Aloud For Me: Safe AI For All

About Privacy Policy

iOS - Android - Windows

Select Language

Recommend AI Tools For Me

Search AI Tools

Or

Select AI Tools Category

You might also like: About, Wonderland Bedtime Stories, Daily AI Chronicle, Read Aloud - Speech Synthesizer, Take Notes by Voice, Web Dictaphone (PC/Mac), Phrase Matcher (PC/Mac), Speech Color Changer (PC/Mac), Translate Text in my chosen language, AI Adventure Island, MusicGen Web

Safe AI Tools For All

READ FOR ME
Wonderland Bedtime Stories

READ FOR ME
Daily AI Chronicle

READ FOR ME
Read Aloud - Speech Synthesizer

READ FOR ME
Take Notes by Voice

READ FOR ME
Web Dictaphone (PC/Mac)

READ FOR ME
Phrase Matcher (PC/Mac)


READ FOR ME
Speech Color Changer (PC/Mac)


READ FOR ME
Read Photos in any language

Chat with us

A Daily chronicle of AI Innovations May 07th 2024:

 **Apple is developing its own AI chip for data center servers**

 **Stack Overflow and OpenAI have announced an API partnership**

 **Microsoft is developing a new AI language model to rival GPT-4 and Google Gemini**

 **Study: Teachers can't detect AI writing**

 **Apple's new M4 chip is focused on AI**

 **Hugging Face has launched LeRobot, an open-source robotics toolkit**

 **Apple is testing a new "Clean Up" feature in its Photos app**

 **Google has launched Google Threat Intelligence**

 **US invests \$285M in AI 'Digital Twin' technology**



Anduril Industries introduces Pulsar: AI modular electromagnetic warfare (EW) systems

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Apple's new M4 chip is focused on AI

- Apple's new M4 chip, designed for the latest OLED iPad Pro models, focuses on enhancing AI performance with capabilities like handling 38 trillion operations per second, which is significantly higher than its predecessors but still behind Qualcomm's Snapdragon X Elite.
- The M4 chip utilizes advanced second-generation 3nm technology, featuring a 10-core CPU with a mix of performance and efficiency cores, and supports technologies like mesh shading and ray tracing for improved graphical rendering.
- Apple's announcement of the M4 chip sets the stage for a comparison with Microsoft's upcoming Arm-powered hardware and Windows on Arm enhancements, scheduled for release later this month, which aim to surpass Apple's MacBook Air M3 in terms of CPU and AI performance.

Apple is developing its own AI chip for data center servers

Apple is developing its own AI chip for data center servers, known internally as Project ACDC (Apple Chips in Data Center). The chip will likely focus on running AI models (inference) rather than training them, which is where Nvidia currently dominates.

The company is working closely with TSMC (Taiwan Semiconductor Manufacturing Co) to design and produce these chips, although the timeline for launch is uncertain. With this move, the company aims to keep up with rivals like Microsoft and Meta, who have made significant investments in generative AI.

Why does it matter?

Apple has a long history of designing custom chips for its devices like iPhones, iPads, and Macs, which is probably what makes them stand out. Having custom AI chips could allow the tech giant more control over its "AI destiny" versus relying on suppliers like Nvidia.

[Source](#)

Stack Overflow and OpenAI have announced an API partnership

OpenAI will use OverflowAPI to improve model performance and provide attribution to the Stack Overflow community within ChatGPT. Stack Overflow will use OpenAI models to develop OverflowAI and to maximize model performance.

The partnership aims to improve the user and developer experience on both platforms. The first set of integrations and capabilities will be available in the first half of 2024, and the partnership will enable Stack Overflow to reinvest in community-driven features.

Why does this matter?

Stack Overflow partnered with Google Cloud to develop Overflow API and to give Google's Gemini models access to its knowledge communities. Now it is forming a similar partnership with OpenAI. Despite concerns about copyright breaches, such partnerships seem to be trending where both the parties have much to gain, but it just reaffirms that the big AI players remain hungry for data.

[Source](#)

Microsoft is developing a new AI language model

Microsoft is developing a new, large-scale AI language model called MAI-1 to compete with Google and OpenAI. The model is overseen by Mustafa Suleyman, recently hired co-founder of Google DeepMind.

MAI-1 will be larger and more expensive than Microsoft's previous smaller, open-source models, with roughly 500 billion parameters. Microsoft could preview the new model as soon as its Build developer conference later this month.

Why does this matter?

Microsoft's development of MAI-1 shows that it is not entirely relying on its OpenAI investment to go big in AI. Now, it has entered the AI race truly, competing with state-of-the-art models from Google, Anthropic, even Meta's Llama 400B which is in training, and OpenAI itself.

[Source](#)

What Else Is Happening in AI on May 07th 2024 !

Hugging Face has launched LeRobot, an open-source robotics toolkit

It is a comprehensive platform for developers, researchers, and hobbyists to train AI models, share data, and simulate environments, all while seamlessly integrating with various robotic hardware. The toolkit offers pre-trained models and integrates with physics simulators for testing without physical robots. Hugging Face is also collaborating with diverse partners to build the largest crowdsourced robotics dataset. ([Link](#))

Apple is testing a new "Clean Up" feature in its Photos app

By using gen AI for advanced image editing, this feature will allow you to effortlessly remove unwanted objects from your photos using a simple brush. Apple may preview this new feature during its upcoming "Let Loose" iPad event or at WWDC in June. ([Link](#))

Google has launched Google Threat Intelligence



It is a combination of Mandiant's expertise, VirusTotal's community insights, and Google's vast threat visibility. Google Threat Intelligence assists with external threat monitoring, attack surface management, digital risk protection, IoC analysis, and expertise. With Gemini, organizations can now quickly search through vast amounts of threat data to protect against cyber threats. ([Link](#))

US invests \$285M in AI 'Digital Twin' technology

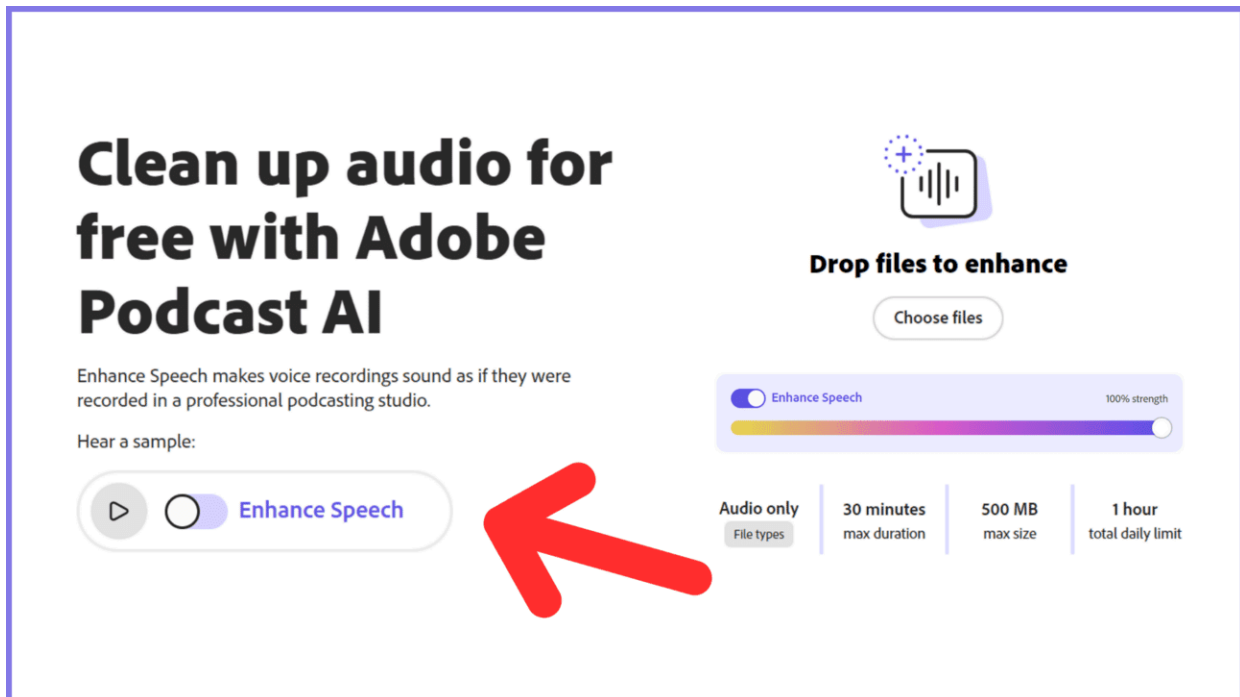
The Biden administration is investing \$285 million for a new “CHIPS Manufacturing USA institute” focused on digital twins for the semiconductor industry. This approach uses AI to create virtual chip replicas, accelerating the production of next-gen processors. Intel and Micron are also set to receive funding to boost the development of new processors. ([Link](#))

Anduril Industries introduces Pulsar: AI modular electromagnetic warfare (EW) systems

Pulsar uses AI to quickly identify and counter current and future threats across the electromagnetic spectrum, including small and medium-size drones. With its integration of software-defined radio, GPUs, and diverse compute capabilities, Pulsar is changing how we defend against rapidly evolving threats in an increasingly complex battlefield. ([Link](#))

AI TRAINING May 07th 2024

[Studio-quality audio in seconds with AI](#)



The screenshot shows the Adobe Podcast AI interface. On the left, the heading reads "Clean up audio for free with Adobe Podcast AI". Below this, it states "Enhance Speech makes voice recordings sound as if they were recorded in a professional podcasting studio." There is a "Hear a sample:" section with a play button and a toggle switch labeled "Enhance Speech". A large red arrow points from this toggle switch towards the right. On the right side, there is a "Drop files to enhance" section with a "Choose files" button. Below that is a slider for "Enhance Speech" set to "100% strength". At the bottom right, there are four columns of specifications: "Audio only" (File types), "30 minutes" (max duration), "500 MB" (max size), and "1 hour" (total daily limit).

Adobe's AI-powered 'Enhance Speech' tool dramatically improves the quality of audio voice recordings with just a few clicks.

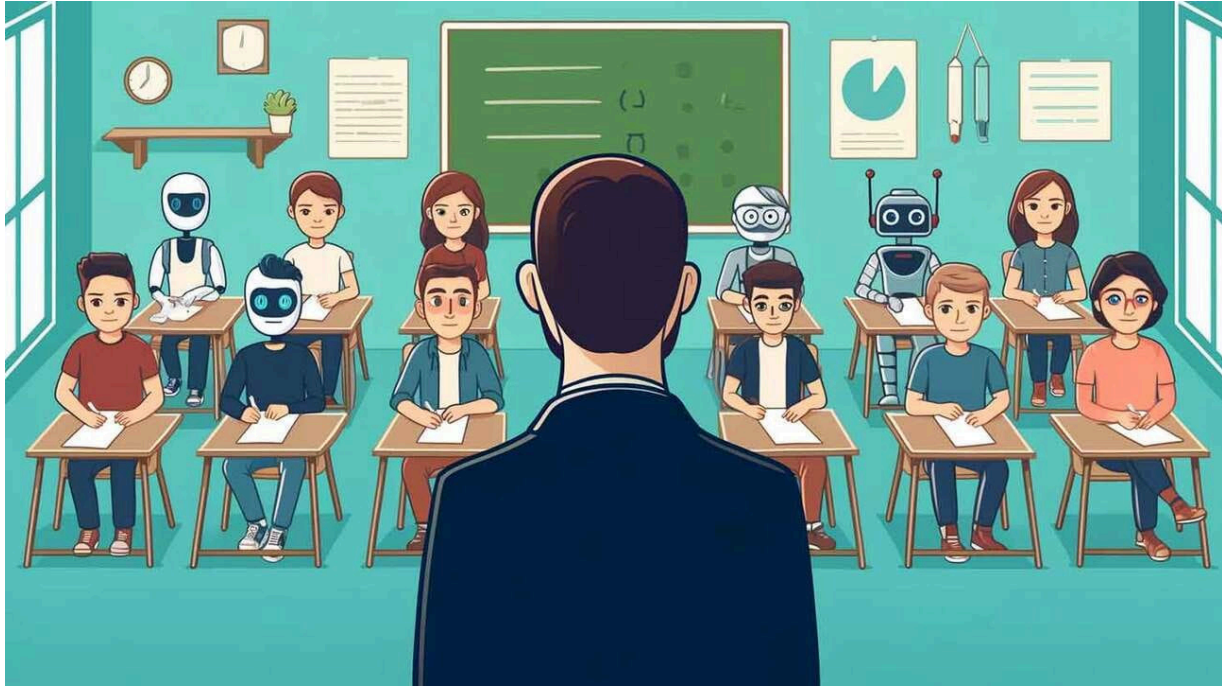
Step-by-step:

1. Access Adobe's Enhance Speech [website](#). Sign in or sign up for free.
2. Upload your audio by selecting "Choose file" or simply drag and drop the file.
3. Wait a few seconds while Adobe's AI analyzes and removes unwanted noises from your file.
4. Download your studio-quality audio and hear the difference!

Pro tip: If you have a video file, you can extract the audio using free websites that extract audio from video and add the enhanced audio back to your video using free video editors like [CapCut](#)

AI RESEARCH on May 07th 2024

Study: Teachers can't detect AI writing










A series of studies from several German universities found that both novice and experienced teachers struggled to accurately distinguish between student-written and AI-generated texts.

The details:





- The first study trialed pre-service teachers on AI and student text, correctly ID'ing only 45.1% of AI-generated submissions.
- The second study tested experienced teachers, who correctly identified just 37.8% of AI-generated submissions.
- The study revealed that teachers were overconfident in their ability to spot AI-generated text.
- AI detection software also often falsely flags student-written texts as potentially AI-generated, which further complicates the issue.

Why it matters: AI's writing capabilities are only getting better — and relying on teacher intuition or unreliable tools may be no more effective than guessing. Unless better tools become available, it may be time to pivot to enabling students to work with AI instead of penalizing them for it.

Trending AI Tools May 07th 2024

-  [Osum](#) - Perform deep market research in seconds: Try now (Use checkout code **RUNDOWN** for 25% off)*
-  [Coachvox](#) - The ultimate AI marketing tool for coaches with content
-  [Pressmaster](#) - All-in-one platform simplifies press planning and distribution
-  [Lamini](#) - Enterprises LLM platform that you can own
-  [Postman v11](#) - Supercharging development with AI and APIs
-  [Adobe Acrobat AI Assistant](#) - Get quick answers and one-click summaries from PDFs
-  [Leonardo AI Content Reference](#) - Enhance creative control for image generations

New AI Job Opportunities May 07th 2024

-  [The Rundown](#) - Community Manager
-  [Scale AI](#) - Senior Analytics Engineer
-  [Anthropic](#) - Risk Manager, Responsible Scaling Team
-  [OpenAI](#) - Tech Lead Manager - Supercomputing Scheduling

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A Daily chronicle of AI Innovations May 06th 2024:

 **DrEureka can automate robot training using LLMs**

 **Free AI model rivals GPT-4 in language model evaluation**



X introduces Stories feature powered by Grok AI



Privacy complaint filed against OpenAI



JPMorgan launches an AI-powered tool for thematic investing



YouTube Premium introduces AI-powered "Jump ahead" feature



AI is now set to transform the drug discovery industry



AI helps bring back Randy Travis' voice in new song

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DrEureka can automate robot training using LLMs

In robotics, one of the biggest challenges is transferring skills learned in simulation to real-world environments. NVIDIA researchers have developed a groundbreaking algorithm called DrEureka that uses LLMs to automate the design of reward functions and domain randomization parameters—key components in the sim-to-real transfer process.

<https://youtu.be/vCYsKCbPTTU?si=QnYyWkA4BojE4YFL>

The algorithm works in three stages: first, it creates reward functions with built-in safety instructions; then, it runs simulations to determine the best range of physics parameters; finally, it generates domain randomization configurations based on the data gathered in the previous stages.

When tested on various robots, including quadrupeds and dexterous manipulators, DrEureka-trained policies outperformed those designed by human experts.



Why does it matter?

DrEureka makes robot training accessible and cost-effective for businesses and researchers alike. We may witness increased adoption of robotics in industries that have previously been hesitant to invest in the technology due to the complexity and cost of training robots for real-world applications.

Source

Free AI model rivals GPT-4 in language model evaluation

Prometheus 2, a free and open-source language model developed by KAIST AI, has shown impressive capabilities in evaluating other language models, approaching the performance of commercial models like GPT-4.

The model was trained on a new pairwise comparison dataset called the "Preference Collection," which includes over 1,000 evaluation criteria beyond basic characteristics. By combining two separate models - one for direct ratings and another for pairwise comparisons - the researchers achieved the best results.

Instruction

In the field of software development, what is the meaning and significance of "Containerization"? Also, explain the role of Docker in containerization.

Response A

Containerization, in software, is somewhat like putting things in a box. It means you take your software and all its parts and put it in a container. Docker is a tool that helps with this. It helps to put the software in containers and makes it easy to use them. [...]

Response B

Containerization in software development refers to the process of packaging up an application along with all its related configurations files, libraries, and dependencies required to run, into a standalone unit or a 'container'. [...]

Pairwise Ranking

A vs B +

Does the response accurately use specific industry terminologies and jargons?

Verbal Feedback

Both response attempt to convey the fundamental concept of containerization, but with varying degrees of clarity and technical details. Response A approaches the concept by likening containerization to "putting things in a box", a metaphor that while easy to understand, lacks the precision and industry-specific [...]

On the other hand, Response B more effectively employs technical jargon such as "packaging", "configuration files", "libraries", and "dependencies". [...]

It can be concluded that Response B is better than Response A.

Scoring Decision



Direct Assessment

A +

Does the response use simple language and explanation that are easy to understand for a beginner?

Verbal Feedback

The response effectively uses simple and accessible language to explain containerization and Docker, which is great for beginners. The analogy of putting things in a box is particularly helpful as it visually illustrates the concept of [...]

However, the response could be improved by briefly mentioning why containerization is significant, such as its benefits in ensuring that software runs consistently across different computing environments. It loses a point for not fully addressing the significance of containerization in the broader context of software development, which could add valuable insight for the reader.

Scoring Decision



In tests across eight datasets, Prometheus 2 showed the highest agreement with human judgments and commercial language models among all freely available rating models, significantly closing the gap with proprietary models.

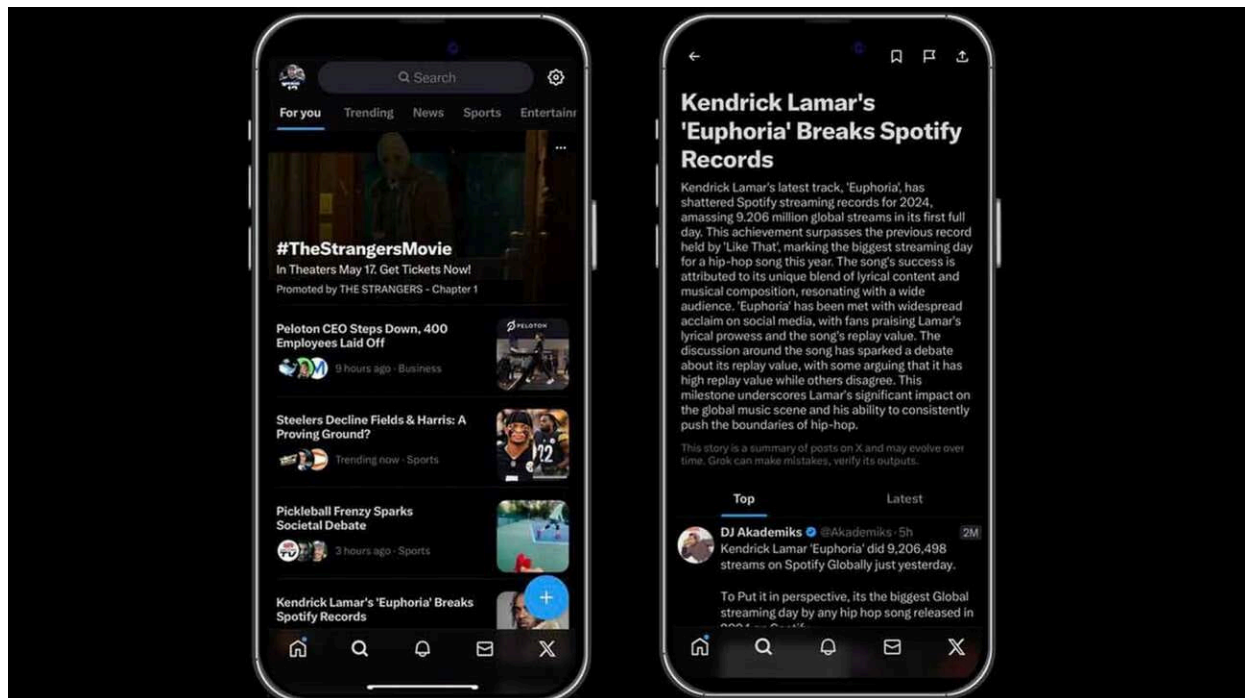
Why does this matter?

By enabling user-defined evaluation criteria, Prometheus 2 can be tailored to assess language models based on specific preferences and real-life scenarios, opening up new possibilities for developing specialized AI applications across various domains. It's also an opportunity to create niche models that are culturally sensitive and relevant.

[Source](#)

X introduces Stories feature powered by Grok AI

X (formerly Twitter) has launched a new feature, Stories, that provides AI-generated summaries of trending news on the platform. Powered by Elon Musk's chatbot Grok, Stories offers Premium subscribers brief overviews of the most popular posts and conversations happening on X.



With Stories, users can quickly catch up on the day's trending topics without having to scroll through countless posts. Grok generates these summaries based solely on the conversations happening on X about each news story rather than analyzing the original news articles themselves. While this approach is controversial, X believes it will pique users' curiosity and potentially drive them deeper into the source material.

Why does this matter?

X's Grok-powered Stories feature may reshape the way we consume news. As more platforms integrate AI news summarization tools, traditional media outlets may face challenges in maintaining reader engagement and revenue. However, the reliance on platform-specific conversations for generating summaries raises concerns about the potential spread of misinformation and the creation of echo chambers.

[Source](#)

What Else Is Happening in AI on May 06th 2024 !

Privacy complaint filed against OpenAI

The maker of ChatGPT is facing a privacy complaint in the European Union (EU) for its "hallucination problem." The complaint alleges violations of GDPR, including misinformation generation and lack of transparency on data sources. The report highlights concerns about accuracy, data access, and the inability of ChatGPT to correct incorrect information. ([Link](#))

JPMorgan launches an AI-powered tool for thematic investing

IndexGPT is a new range of thematic investment baskets created using OpenAI's GPT-4 model. The tool generates keywords associated with a theme, which are then used to identify relevant companies through natural language processing of news articles. IndexGPT aims to improve the selection of stocks for thematic indexes, going beyond obvious choices and potentially enhancing trend-following strategies. ([Link](#))

YouTube Premium introduces AI-powered "Jump ahead" feature

The AI-powered feature allows users to skip past commonly skipped sections of a video and jump to the next best point. It is currently available for the YouTube Android app in the US with English videos and can be enabled through the experiments page. ([Link](#))

AI is now set to transform the drug discovery industry

Generative AI is now rapidly generating novel molecules and proteins that humans may not have considered. AI models, such as Google's AlphaFold, are accelerating the drug development process from years to months while increasing success rates. Experts predict that AI-designed drugs will become the norm in the near future, but they will still need to prove their efficacy in human trials. ([Link](#))

AI helps bring back Randy Travis' voice in new song

Country singer Randy Travis has released a new song, "Where That Came From," his first since losing his voice to a stroke in 2013.



The vocals were created using AI software and a surrogate singer under the supervision of Travis and his producer. The result is a gentle tune that captures Travis' relaxed style, reinforcing the potential of AI voice cloning in the right hands. ([Link](#))

AI Tutorial on May 06th 2024:

[How to use ChatGPT's new 'Memory' feature](#)

OpenAI has rolled out a new feature called “Memory” for ChatGPT plus users, enabling it to remember specific user details across chats.

Step-by-step:





1. Head over to [ChatGPT](#). You need a Pro account to enable this feature.
2. Click on your account name (bottom-left), select Settings, Personalization, and enable Memory.
3. Teach ChatGPT to remember specific details by explicitly stating them in the chat, e.g., “Remember that I am vegetarian when you recommend a recipe.”

4. Manage your memories by clicking the “Manage” button located in the Memory section to view, edit, or delete specific memories.

That's it! You can now have more personalized conversations across all your conversations




New AI Job Opportunities on May 06th 2024

-  [Robust Intelligence](#) - Solution Architect
-  [Anthropic](#) - Audit and Compliance
-  [Hugging Face](#) - Product Software Engineer, ML Platform
-  [Character AI](#) - Staff Data Engineer - Analytics

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A Daily chronicle of AI Innovations May 04th 2024:

 **World's first AI-generated music video was just released**

 **Air Force launches an AI-controlled F-16 fighter jet**
Microsoft ties executive pay to security following multiple failures and breaches

X is using Grok to publish AI-generated news summaries; Radical New Light-Wave Chip Design Enables AI Computing At Speed Of Light

World's first AI-generated music video was just released

- A pro music video created with OpenAI's Sora, a text-to-video AI model, has been released by writer-director Paul Trillo, marking the first of its kind.
- The video for "The Hardest Part" by Washed Out utilized 700 clips generated by Sora, with 55 selected for the final edit, showcasing the AI's ability to transform written descriptions into video clips.
- Despite not being publicly available yet, Sora's early access was granted to a select group of artists, including Trillo, sparking interest and debate about the future of AI in creative processes.
- [Source](#)

Air Force launches an AI-controlled F-16 fighter jet

- An experimental AI-powered F-16 fighter jet, carrying Air Force Secretary Frank Kendall, performed advanced combat maneuvers, demonstrating significant advancements in military aviation technology.
- The Air Force plans to have over 1,000 AI-enabled unmanned warplanes by 2028, with the AI-controlled F-16, known as Vista, marking a historic step in air combat by executing a dogfight against a human-piloted F-16.
- Despite concerns over AI's autonomous decision-making in warfare, the technology is seen as essential for future combat scenarios, aiming to reduce pilot risk and lower costs compared to traditional manned fighters.
- [Source](#)

X is using Grok to publish AI-generated news summaries

- X is using Grok to create AI-generated summaries for news and discussions trending on its platform, offering them under the feature "Stories on X" exclusively to premium subscribers.
- Grok generates summaries based on users' posts, covering a wide range of topics including news events and platform discussions, with a user highlighting

its capability by showcasing stories on diverse subjects such as Apple's earnings and debates on national debt.

- Despite its innovative approach, Grok is noted for potential inaccuracies in its summaries, as evidenced by a past error where it misinterpreted a basketball term, highlighting the need for users to verify its outputs.
- [Source](#)
















Radical New Light-Wave Chip Design Enables AI Computing At Speed Of Light

University of Pennsylvania engineers have developed a new chip that radically accelerates processing by using light waves rather than electricity to perform the complex math essential to training AI.

The silicon-photonics (SiPh) chip has the potential to accelerate the processing speed of computers while also reducing their energy consumption, according to the researchers.

Read more [here](#):

AI Weekly Rundown April 26th to May 03rd 2024

-  iOS 18 may have OpenAI-powered gen AI Capabilities
-  China's Vidu generates 16-second 1080P videos, matching OpenAI's Sora
-  New S1 robot mimics human-like movements, speed, and precision
-  Gradient AI releases Llama-3 8B with 1M context
-  Mysterious "gpt2-chatbot" AI model bemuses experts
-  GitHub's Copilot Workspace turns ideas into AI-powered software
-  Amazon launches Amazon Q, the world's most capable Gen AI assistant
-  Google's Med-Gemini models outperform doctors
-  Apple has set up a secretive AI lab in Switzerland
-  Better and faster LLMs via multi-token prediction: New research
-  Anthropic launches an iOS app and a new plan for teams
-  Google's AI advancements urged Microsoft's billion-\$ OpenAI investment
-  Scale AI's study finds popular LLMs overfit public benchmarks
-  Ukraine debuts the world's first AI diplomat, Victoria Shi
-  Sam Altman is ready to spend \$50 billion a year to build AGI

A Daily chronicle of AI Innovations May 03rd 2024:

 **Bill Gates is still pulling the strings at Microsoft;**

 **AI engineers report burnout as 'rat race' to stay competitive hits tech industry;**

 **Ukraine introduces AI spokesperson for state affairs;**

 **How much do LLMs overfit public benchmarks?**

 **Sam Altman's stance on the future of AI**

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How much do LLMs overfit public benchmarks?

A new study by Scale AI raises concerns about the reliability of LLM benchmark tests. It uncovers LLM overfitting by evaluating them on a new (designed from scratch) dataset, GSM1k that mimics a popular benchmark, GSM8k.

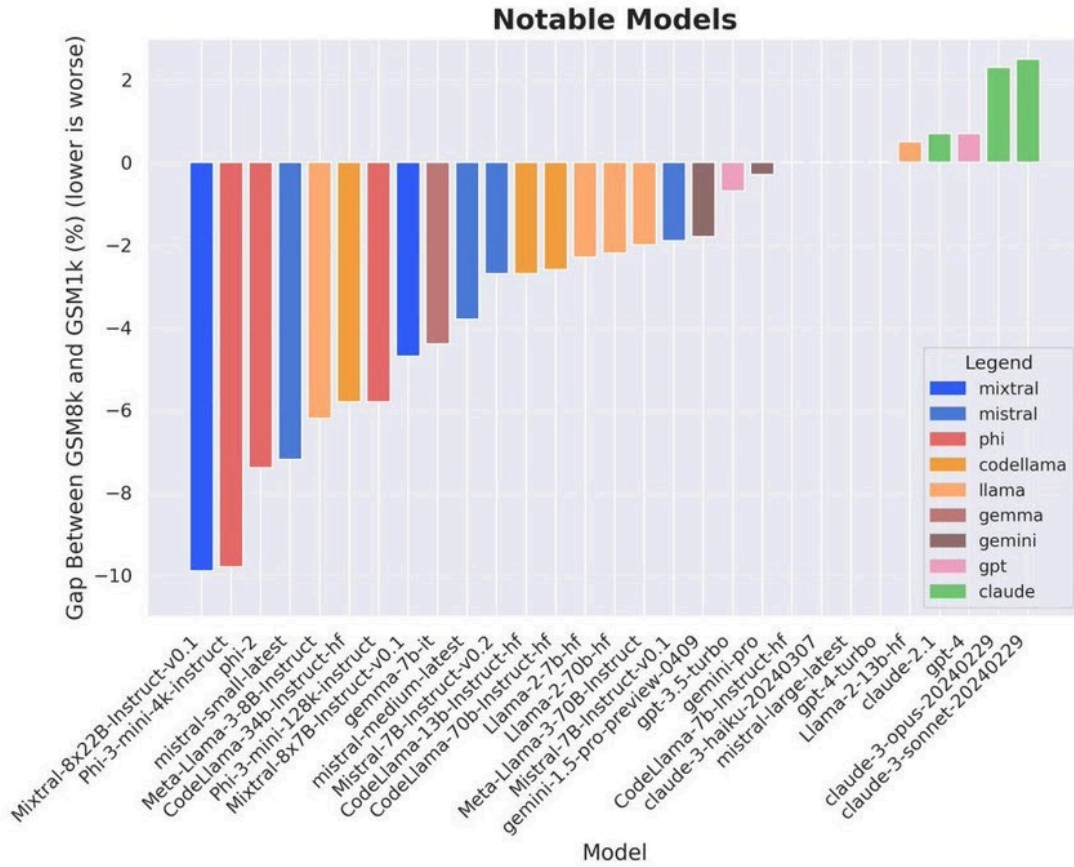


Figure 1: Notable models arranged by their drop in performance between GSM8k and GSM1k (lower is worse). We notice that Mistral and Phi top the list of overfit models, with almost 10% drops on GSM1k compared to GSM8k, while models such as Gemini, GPT, and Claude show little to no signs of overfitting.

Key findings:

- **Overfitting:** Many LLMs performed significantly worse on GSM1k compared to GSM8k, with some models dropping by as much as 13%. This suggests they've simply memorized the answers to benchmark problems rather than learning true reasoning skills.
- **Family Trends:** Certain LLM families, particularly Mistral and Phi, showed consistent overfitting across different model sizes.
- **Frontier Models Shine:** Newer, more advanced LLMs showed minimal signs of overfitting, suggesting they may be achieving genuine reasoning abilities.
- **Data Contamination Suspected:** Analysis suggests data contamination from benchmark sets may be one factor contributing to overfitting.
- **Reasoning Still Present:** Even overfitting models exhibited some capability to solve novel problems, although not at the level their benchmark scores suggested.

Overall, the study highlights the need for more robust and reliable methods for evaluating LLM reasoning abilities.

Why does it matter?

The dataset proves that overfitting may be creating major false impressions of model performance. As AI capabilities continue to advance, it is crucial to develop evaluation approaches that can keep pace and provide a more accurate picture of a model's real-world potential.

[Source](#)

Sam Altman's stance on the future of AI

During a recent appearance at Stanford University, Altman talked about the future of AI, calling GPT-4, a currently impressive AI model, to be the "dumbest model" compared to future iterations. According to Altman, the future is dominated by "intelligent agents," AI companions that can not only follow instructions but also solve problems, brainstorm solutions, and even ask clarifying questions.

OpenAI isn't just talking about the future, they're actively building it. Their next-generation model, GPT-5, is rumored for a mid-2024 release and might boast video generation capabilities alongside text and image.

But the real moonshot is their active participation in developing AGI.

Despite the significant costs involved, Altman remains undeterred. He believes that the potential benefits, such as solving complex problems across various industries, outweigh the financial burden.

Watch the whole Q&A session [here](#).

Why does this matter?

Altman's bold comments on GPT-4 being the dumbest model suggest that OpenAI is aiming for something even grander, and GPT-5 could be a stepping stone toward it (the next-gen AI framework).

[Source](#)

Bill Gates is still pulling the strings at Microsoft

- Bill Gates predicted the revolution in computing through AI agents in a memo before Microsoft's partnership with OpenAI, and despite public appearances, has been heavily involved in guiding Microsoft's AI strategy.
- Under Gates' influence, Microsoft developed Copilot, an AI tool based on OpenAI's GPT, transforming the company into the world's most valuable public entity by enhancing productivity in Microsoft products.
- Gates has continued to play a pivotal role behind the scenes at Microsoft, advising on strategy, product development, and fostering key relationships, notably with OpenAI, even after stepping down from the board amid misconduct allegations.
- [Source](#)

AI engineers report burnout as 'rat race' to stay competitive hits tech industry


- AI engineers at Microsoft and other companies are reporting burnout due to the pressure to quickly release AI products, amidst an industry-wide "AI rat race."
- Microsoft's focus on speed over ethics and safety in AI development has been criticized, even as the company forms a Responsible AI Council to address safety concerns.
- An Amazon AI engineer's account of being forced to work over a weekend, only for the project to be canceled, highlights a similar disregard for worker well-being and a preference for speed over accuracy and testing in AI product development.
- [Source](#)

Ukraine introduces AI spokesperson for state affairs

- Ukraine's Foreign Ministry introduced an artificial intelligence-powered spokesperson, Victoria Shi, to deliver official statements and interact with the press, marking a historic use of digital personnel for governmental communications.

- Victoria Shi, created with the likeness and voice of Ukrainian singer Rosalie Nombro, will have her statements written and confirmed by humans, using AI for her visual presentation.
- The ministry aims to utilize AI, including measures like QR codes for statement verification, to save time and money, particularly in the context of its ongoing conflict with Russia.
- [Source](#)

What Else Is Happening in AI on May 03rd, 2024 !

 OpenAI prepares to challenge Google with ChatGPT-powered search: OpenAI is building a search engine, search.chatgpt.com, potentially powered by Microsoft Bing. This leverages their existing web crawler and Bing's custom GPT-4 for search, posing a serious threat to Google's dominance. ([Link](#))

 Microsoft bans U.S. police use of Azure OpenAI for facial recognition

Microsoft has banned U.S. police from using Azure OpenAI Service for facial recognition, including integrations with OpenAI's image-analyzing models. The move follows Axon's controversial GPT-4-powered tool to summarize audio from the body camera. However, the ban has exceptions and doesn't cover Microsoft's other AI law enforcement contracts. ([Link](#))

 IBM expands AI and data software on AWS marketplace

IBM has significantly expanded its software offerings on the AWS Marketplace, making 44 products accessible to customers in 92 countries, up from just five. The move, part of a strategic collaboration with AWS, focuses on AI and data technologies like Watson x.data, Watson [x.ai](#), and the upcoming Watson x.governance. ([Link](#))

 Google Cloud supports Azure and AWS; integrates AI for security







Google Cloud now supports Azure and AWS, enabling enterprises to manage security across multi-cloud platforms. AI integration with existing solutions streamlines user experience and addresses the security talent gap. The AI-powered design manages risks efficiently amid increasing cyber threats, while extensive support simplifies tasks for enterprises. ([Link](#))

 Microsoft invests \$2.2B in Malaysia's cloud and AI transformation





Microsoft is investing \$2.2 billion over the next four years to support Malaysia's digital transformation, its largest investment in the country's 32-year history. The investment includes building cloud and AI infrastructure, creating AI skilling opportunities for

200,000 people, establishing a national AI Centre of Excellence, enhancing cybersecurity capabilities, and supporting the growth of Malaysia's developer community. ([Link](#))

Trending AI Tools on May 03rd 2024

-  [Waxaing AI](#) - Project management tool for growth marketers
-  [Amazon Q](#) - Generative AI-powered assistant from AWS
-  [Soundry AI](#) - AI sound sample VST for music creation and DJing
-  [NVIDIA ChatRTX](#) - New features including multi-language voice support and more LLMs
-  [Synthesia Expressive AI Avatars](#) - Create AI avatars with human-like expressions
-  [Relume](#) - Create a wireframe and UX copy in seconds with AI

New AI Jobs opportunity on May 03rd 2024

-  [AE Studio](#) - Product Designer & Manager
-  [The Rundown](#) - Newsletter Editor
-  [Scale AI](#) - Operations Program Manager, Code Quality
-  [Anyscale](#) - Content Strategist


A Daily chronicle of AI Innovations May 02nd 2024:

 **Sam Altman: "GPT-4 is the dumbest AI you'll ever have to use"**

 **TikTok and UMG strike new licensing deal including AI protections**

➔  Anthropic's ChatGPT rival Claude is now available on iOS  Atlassian launches Rovo, its new AI teammate


 Better and faster LLMs via multi-token prediction: New research

 Google's AI advancements urged Microsoft's billion-dollar OpenAI investment

 Sanctuary AI teams up with Microsoft to advance general-purpose robot AI

 Nvidia's ChatRTX now supports voice queries and Google's Gemma model

 Atlassian launches Rovo: An AI assistant for enhanced teamwork

 MongoDB launches an AI app-building toolkit to help businesses use gen AI

 Ideogram introduces Pro Tier: 12,000 fast AI image generations monthly

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Sam Altman: "GPT-4 is the dumbest AI you'll ever have to use"

- OpenAI CEO Sam Altman described GPT-4 as the "dumbest" AI model users will have to interact with, anticipating significantly smarter versions in the future.
- Altman emphasized that OpenAI's AI models, including GPT-4, have considerable potential for improvement, with successive models like GPT-5 and GPT-6 expected to be significantly smarter.
- Despite the high cost of development, which could range from \$500 million to \$50 billion annually, Altman is confident in the future value these advanced AI systems will bring to society.
- [Source](#)

TikTok and UMG strike new licensing deal including AI protections

- UMG has reached a "multi-dimensional" agreement with TikTok to bring back its artists, including Taylor Swift, Drake, and Olivia Rodrigo, to the platform's over one billion users.
- The deal includes provisions to collaborate on ensuring AI development in the music industry protects artists' rights and addresses unauthorized AI-generated music on TikTok.
- Additionally, the agreement will introduce new monetization opportunities for artists through TikTok's expanding e-commerce capabilities and enhance tools for artist promotion, including analytics and integrated ticketing.
- [Source](#)

Anthropic's ChatGPT rival Claude is now available on iOS

- Anthropic has launched an iOS app for its AI model Claude 3, which has been anticipated due to the company's recent hiring of iOS engineers.
- The app offers both free and premium access to Claude 3's features, including its vision capabilities for real-time image analysis and summarization.
- Anthropic also launched a new "Team" plan, priced at \$30 per user per month, offers advanced administrative controls and collaboration features, aiming to secure a stronger foothold in the enterprise AI market.
- [Source](#)



Atlassian launches Rovo, its new AI teammate

- Atlassian launched Rovo, an AI assistant designed to integrate with its products, making data from various tools easily accessible and enabling automation of workflows in applications like Jira and Confluence.
- Rovo is based on Atlassian's "cloud teamwork graph" and aims to simplify tasks for knowledge workers by assisting in finding, understanding, and taking action on work-related information.
- The AI features Rovo Agents that can automate complex tasks and workflows, offering customization through natural language interface without the need for programming skills.
- [Source](#)

Better and faster LLMs via multi-token prediction: New research

New research, apparently from Meta, has proposed a novel approach to training language models (LMs). It suggests that training LMs to predict multiple future tokens at once instead of predicting only the next token in a sequence results in higher sample efficiency. The architecture is simple, with no train time or memory overhead.

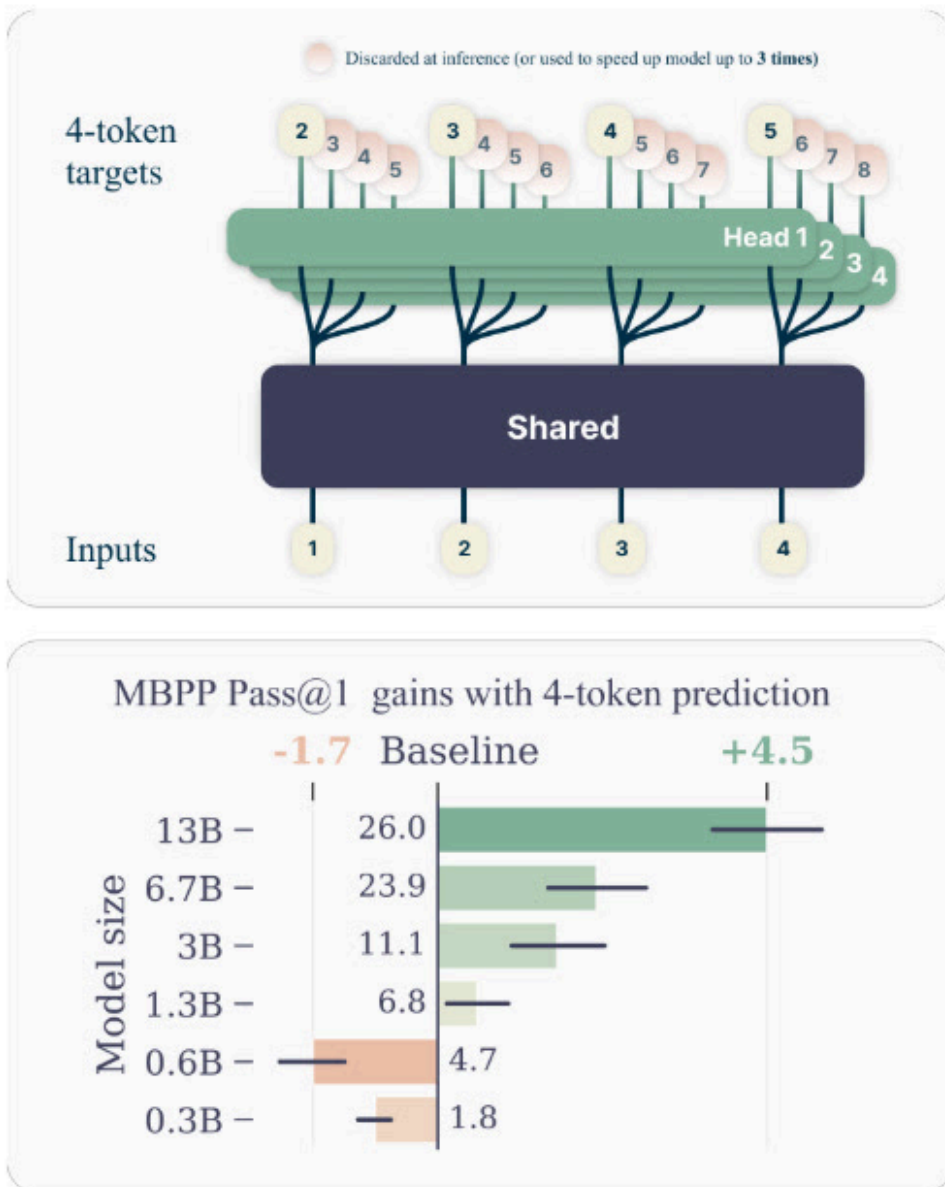


Figure: Overview of multi-token prediction

The research also provides experimental evidence that this training paradigm is increasingly useful for larger models and in particular, shows strong improvements for code tasks. Multi-token prediction also enables self-speculative decoding, making models up to 3 times faster at inference time across a wide range of batch sizes.

Why does it matter?

LLMs such as GPT and Llama rely on next-token prediction. Despite their recent impressive achievements, next-token prediction remains an inefficient way of acquiring

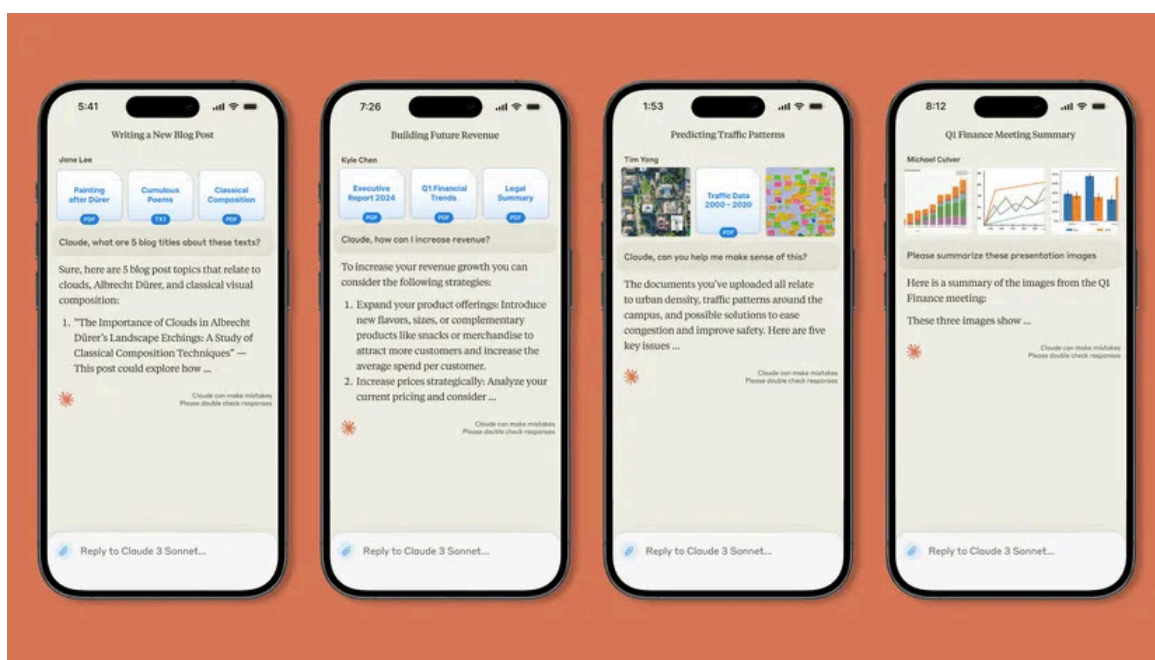
language, world knowledge, and reasoning capabilities. It latches on local patterns and overlooks “hard” decisions.

Perhaps, multi-token prediction could bring a shift in how LMs learn. It could equip LLMs with deeper understanding and complex problem-solving capabilities. (or Meta just wasted their compute.)

[Source](#)

Anthropic launches an iOS app and a new plan for teams

Anthropic, the creator of the Claude 3 AI models, released a new iOS app named Claude. The app enables users to access AI models, chat with them, and analyze images by uploading them.



Anthropic also introduced a paid team plan, offering enhanced features like more chat queries and admin control for groups of five or more. The app is free for all users of Claude AI models, including free users, Claude Pro subscribers, and team plan members. The company will also roll out an Android version soon.

Why does it matter?

Though a little late with its mobile app, Anthropic has caught up with its competitors like OpenAI and Google, who have apps running for quite a while. The company decided to offer an app version because many users have been accessing its AI models through the web.

[Source](#)

Google's AI advancements may have urged Microsoft's billion-dollar OpenAI investment

Internal emails have revealed that Microsoft invested \$1 billion in OpenAI in 2019 out of fear that Google was significantly ahead in its AI efforts.

Microsoft CTO Kevin Scott sent a lengthy email to CEO Satya Nadella and Bill Gates stating Google's AI-powered "auto complete in Gmail" was getting "scarily good" and added that Microsoft was years behind in terms of ML scale.

The emails, with the subject line "Thoughts on OpenAI," were made public on Tuesday as part of the Department of Justice's antitrust case against Google. A large section of Scott's email was redacted. Check out the [email here](#).

Why does it matter?

While some might call it paranoia, the well-timed move has undeniably paid off– the initial \$1 billion has now turned into a multi-billion-dollar partnership with OpenAI.

While the email-surfacing highlights the growing scrutiny of competition in the tech industry, it also makes me wonder if Microsoft's investment in OpenAI could have influenced the overall direction of AI research and development.

[Source](#)

What Else Is Happening in AI on May 02nd 2024 !

 Sanctuary AI teams up with Microsoft to advance general-purpose robot AI

Sanctuary AI has announced a collaboration with Microsoft to develop AI models for general-purpose humanoid robots. The partnership will leverage Microsoft's Azure cloud computing platform and AI technologies to enhance the capabilities of Sanctuary AI's robots. ([Link](#))

 Nvidia's ChatRTX now supports voice queries and Google's Gemma model

Nvidia has updated its ChatRTX chatbot to support Google's Gemma model, voice queries, and additional AI models. The chatbot, which runs locally on a PC, enables users to search personal documents and YouTube videos using various AI models, including ChatGLM3 and OpenAI's CLIP model. ([Link](#))

👉 **Atlassian launches Rovo: An AI assistant for enhanced teamwork**

Atlassian has launched Rovo, an AI assistant designed to improve teamwork and productivity. Rovo integrates with Atlassian's products and offers features such as AI-powered search, workflow automation, and integration with third-party tools like Google Drive, Microsoft SharePoint, and Slack. ([Link](#))

📊 **MongoDB launches an AI app-building toolkit to help businesses use gen AI**

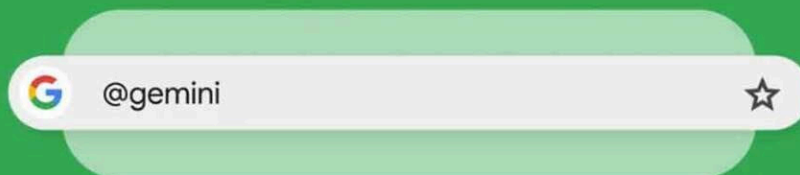
It has launched the MongoDB AI Applications Program, or MAAP, to help companies accelerate building and deployment of AI-powered applications. It brings consultancies and foundation models providers, cloud infrastructure, generative AI frameworks, and model hosting together with MongoDB Atlas to develop solutions for business problems. ([Link](#))

🎨 **Ideogram introduces Pro Tier: 12,000 fast AI image generations monthly**

Ideogram has launched a paid Pro tier for its AI image generation platform, allowing users to generate up to 12,000 images per month at faster speeds. The platform utilizes AI algorithms to create high-quality images for various applications, including design, marketing, and content creation. ([Link](#))

⚙️ **[Google Chrome gets Gemini shortcut](#)**

Type @gemini in
the Chrome desktop
address bar



The details:

- Users will be able to type '@gemini' followed by a prompt in Chrome's desktop address bar to get responses from the AI without navigating to a separate site.
- The feature builds on existing shortcuts like '@bookmarks' and '@history', making AI chat as seamless as other browser functions.
- Gemini's Extensions feature now also connects the chatbot to Maps, YouTube, Hotels, and Workspace.
- The features are only being rolled out to [supported](#) languages and countries.

Why it matters: Gemini just got a whole lot more accessible — with the shortcut and integrations not only boosting the chatbot's reach, but also introducing a wave of non-AI users to the tech. Subtle but impactful changes like these are what drive serious shifts in user habits.

AI Training:

 [Create infinite styles with Midjourney](#)



Midjourney's new parameter feature called *--sref random* lets users generate images in completely random styles to help spark creativity.

Step-by-step:

1. Visit Midjourney's Discord. You will need a paid subscription to use this feature.
2. Type *-sref random* after your prompt to grab a completely random style.
3. To create a new image based on a previous style, grab the URL of the image, and type *-sref [URL]*

Example prompt: "Portrait of a woman smiling *-sref* <https://www...>"

AI RESEARCH

 [AI model predicts drug effectiveness](#)

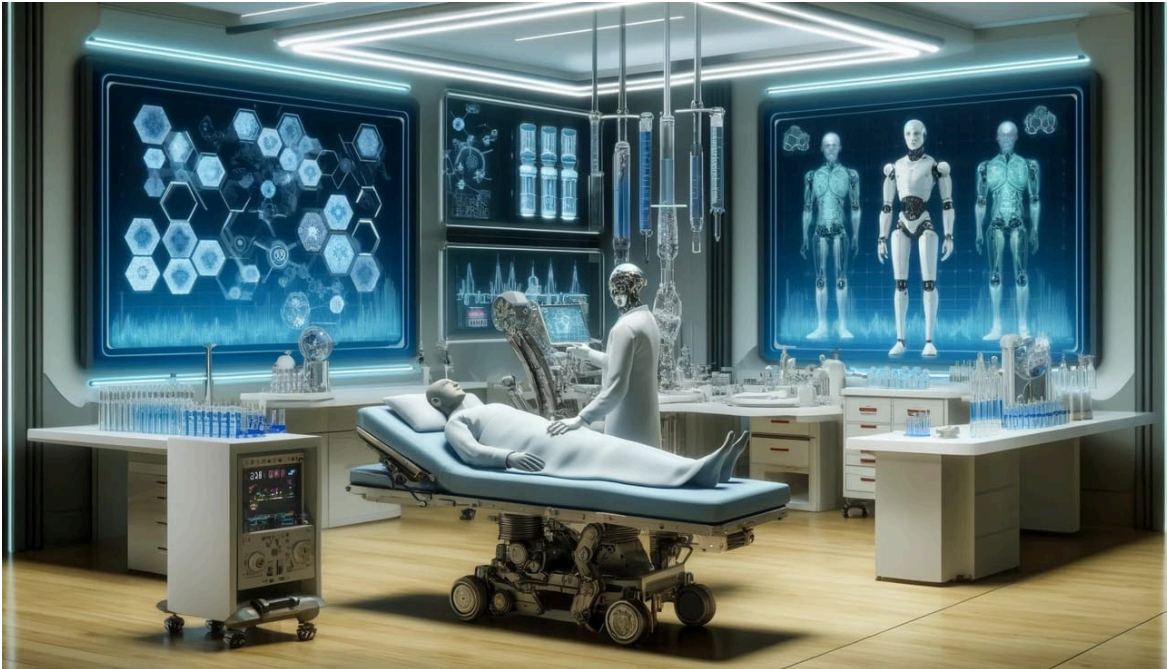


Image source: DALL-E 3







Ohio State University researchers just [developed](#) CURE, an AI model that can accurately estimate drug treatment effects and effectiveness without clinical trials.

The details:





- The model is trained on de-identified health records of over 3M patients, allowing it to gain a deep understanding of patient characteristics.
- CURE outperformed seven other leading AI models in treatment effectiveness predictions, with improvements of 7-8% on key benchmarks.
- The AI predictions are closely aligned with clinical trial findings in tests, showcasing the potential to generate insights that streamline drug testing.

Why it matters: With the ability to crunch massive medical datasets, CURE represents a significant step towards systems that can reliably estimate real-world drug effectiveness — potentially accelerating the discovery of new treatments without the cost and long timeframes of traditional clinical trials.

Trending AI Tools


-  [Claude iOS App](#) - The powerful AI assistant by Anthropic, now on your iPhone
-  [Udio New Features](#) - Generate AI music longer than 2 minutes and extend tracks up to 15 minutes
-  [Loom AI workflow](#) - Turn any loom video into share-ready docs in a click
-  [Atlassian Rovo](#) - AI Teammate for data-driven business decisions
-  [Kratful](#) - AI-driven feedback analysis for product optimization
-  [Stability Matrix](#) - Simplify Stable Diffusion UIs and models management

New AI Job Opportunities

-  [Perplexity AI](#) - Program Manager - Community
-  [Metropolis](#) - Senior Director of Sales Engineering
-  [Luma AI](#) - Senior Backend Software Engineer
-  [Cohere](#) - Copywriter / Copy Editor (part-time, contractor)


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A Daily chronicle of AI Innovations May 01st 2024:

 Amazon has launched Amazon Q, a Gen AI assistant for businesses and developers

 Google's Med-Gemini models outperforms doctors

 Apple has set up a secretive AI lab in Switzerland

 Google to pay News Corp \$5-6 million per year to develop AI content and products

 Yelp is launching an AI chatbot to help consumers connect with relevant businesses

 **Apple is testing Safari 18 with new features: Intelligent Search and Web Eraser**

 **Eight US newspapers have sued Microsoft and OpenAI for copyright infringement**

 **A study of 16000 patients reveals that AI ECG alert systems significantly lower all-cause mortality**

Amazon has launched Amazon Q, a Gen AI assistant for businesses and developers

The details:

- Q Developer offers industry-leading code generation, testing, debugging, reasoning, and agents for step-by-step planning.
- Q Business connects to company data repositories, enabling users to easily get answers, summarize info, analyze trends, and interact with enterprise data.
- A new Q Apps feature allows non-technical users to create custom AI applications using natural language prompts from company data.
- AWS VP Dr. Swami Sivasubramanian said Q can help employees become 'over 80% more productive' at their jobs.

<https://youtu.be/fQITLL5WncE?si=JQPozECjFSTWsykb>

Amazon has launched Amazon Q, a generative AI assistant designed for developers and businesses. It comes in three distinct offerings:

- Amazon Q Developer frees up precious time by handling tedious tasks like testing, debugging, and optimizing AWS resources so developers can focus on core coding and innovation.

- Amazon Q Business connects to 40+ enterprise data sources and equips employees with a data-driven digital assistant to answer questions, create reports, and provide insights based on enterprise data repositories.
- Amazon Q Apps allows non-technical employees to build generative AI applications using natural language prompts.

Amazon is driving real-world impact by offering a free tier for Q Developer and reporting early customer productivity gains of over 80%. Amazon Q Developer Pro is available for \$19/user/month and Amazon Q Business Pro for \$20/user/month. A free trial of both Pro tiers is available until June 30, 2024.

Why does it matter?

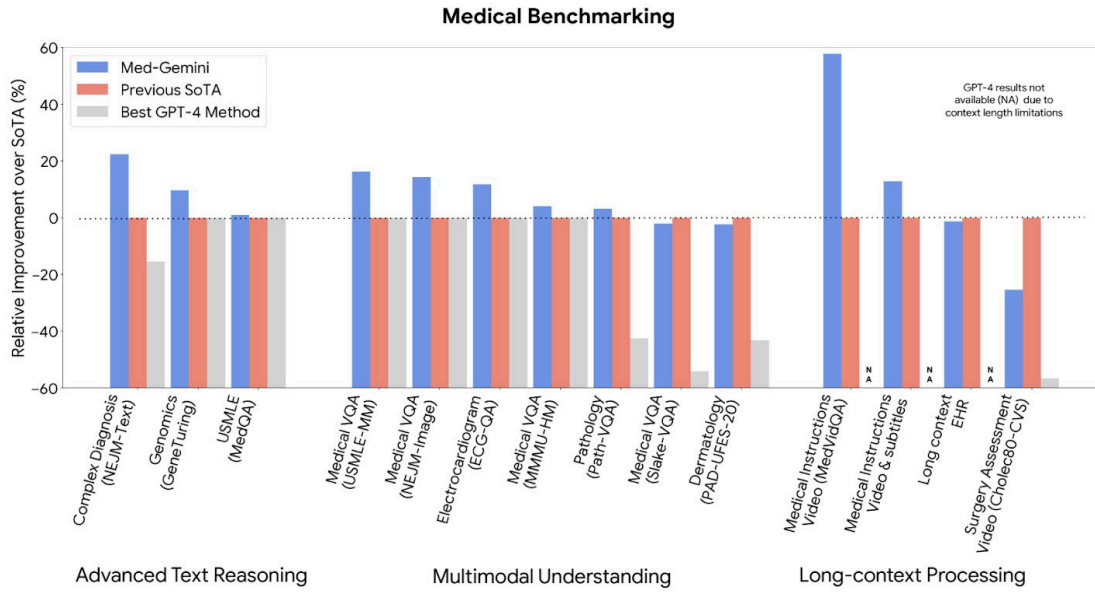
By introducing a free tier for Q Developer and the user-friendly nature of Q Apps, Amazon could accelerate innovation across the software development lifecycle and business workflows. This could empower domain experts and business leaders to use AI to solve their specific challenges directly, leading to more tailored AI applications across various industries.

[Source](#)

Google's Med-Gemini models outperforms doctors

- Med-Gemini outperforms top models (including GPT-4) on 10 out of 14 tasks.
- The model incorporates web search information to provide more reliable and up-to-date answers to complex medical questions.
- Med-Gemini excels at analyzing medical images, videos, and health records, as well as engaging in realistic dialogues about patient cases.

Researchers from Google and DeepMind have introduced Med-Gemini, a family of highly capable multimodal AI models specialized in medicine. Based on the strengths of the Gemini models, Med-Gemini shows significant improvements in clinical reasoning, multimodal understanding, and long-context understanding. Models can be customized to fit novel medical modalities through specialized encoders, and web searches can be used for up-to-date information.



Med-Gemini has shown state-of-the-art performance on 10 of 14 medical benchmarks, including text, multimodal, and long-context applications. Moreover, the models achieved 91.1% accuracy on the MedQA (USMLE) benchmark, exceeding the previous best models by 4.6%. Its strong performance in summarizing medical notes, generating clinical referral letters, and answering electronic health record questions confirms Med-Gemini's potential real-world use.

Why does it matter?

These models can reduce the administrative burden on healthcare professionals by outperforming human experts in tasks like medical text summarization and referral letter generation. Moreover, Med-Gemini's ability to engage in multimodal medical dialogues and explain its reasoning can lead to more personalized and transparent care, reduce misdiagnosis due to lack of physician knowledge, and save lives and money.

[Source](#)

Apple has set up a secretive AI lab in Switzerland

Since 2018, the company has quietly hired 36 AI experts from Google, including notable figures like Bengio and Ruoming Pang, for its secretive "Vision Lab." The lab focuses on building advanced AI models and products, and it is particularly interested in text and visual-based AI systems akin to OpenAI's ChatGPT. Apple has also acquired AI startups FaceShift and Fashwall, which are likely contributing to the establishment of the new lab.

Why does it matter?

Apple may have been fashionably late to AI development, but quietly setting up the Zurich lab and primary AI development centers in California and Seattle signifies the company's AI ambitions.

[Source](#)

What Else Is Happening in AI on May 01st 2024 !

💰 Google to pay News Corp \$5-6 million per year to develop AI content and products

While News Corp denies any specific AI licensing deal, the arrangement highlights a growing trend of tech giants licensing news archives for language model training. Similar deals were inked between OpenAI and the Financial Times, showing the importance of quality data. ([Link](#))

💬 Yelp is launching an AI chatbot to help consumers connect with relevant businesses

The chatbot uses OpenAI's LLMs and Yelp's data to understand user problems and provide relevant professional suggestions. Yelp also introduces a "Project Ideas" section for personalized recommendations and checklists. Meanwhile, restaurants are getting a revamped guest management system for better staff utilization, real-time table status, and customer updates. ([Link](#))

🍏 Apple is testing Safari 18 with new features: Intelligent Search and Web Eraser

Intelligent Search uses Apple's on-device AI to identify topics and key phrases for summarization. Web Eraser allows users to persistently remove unwanted content from web pages. Apple is also working on an AI Visual Lookup feature for 2025, allowing users to obtain product information from images. These AI enhancements will debut with iOS 18 and macOS 15 at WWDC in June. ([Link](#))

⚖️ Eight US newspapers have sued Microsoft and OpenAI for copyright infringement







These newspapers, owned by Alden Global Capital's MediaNews Group, allege that the companies misused their articles to train Copilot and ChatGPT without permission or payment. The New York Times, The Intercept, Raw Story, and AlterNet have filed similar lawsuits. The newspapers claim that the AI systems reproduce their content verbatim and generate fake articles that damage their reputation. ([Link](#))

🏥 A study of 16000 patients reveals that AI ECG alert systems significantly lower all-cause mortality





The AI was trained on over 450,000 ECG tests and survival data to predict a patient's risk of death. Physicians were alerted when a patient's ECG indicated they were in the top 5%

risk category. The AI reduced overall deaths by 17% and cardiac deaths by 93% for high-risk patients. ([Link](#))

Trending AI Tools

-  [Prem Platform](#) - An intuitive, user-friendly development platform for building generative AI solutions with ease*
-  [EdrawMax](#) - Speed up diagram creation with smart suggestions
-  [Github Copilot Workspace](#) - A copilot-native dev environment for coding
-  [GoProfiles](#) - GenAI people platform for employee engagement and recognition
-  [Yelp AI assistant](#) - Easily find and connect with local service professionals
-  [Midjourney Group Creation](#) - A new feature on Midjourney that allows users with 1k+ test images to collaborate

New AI Job Opportunities

-  [AE Studio](#) - Tech Lead & PM
-  [Metropolis](#) - Director of Business Development
-  [Character AI](#) - Research Engineer, Post-Training
-  [Cohere](#) - Customer Success Executive

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AI Games

Or


Select AI Tools Category

AI Trainer Simulator

 The AI Trainer Simulator offers an interactive and educational experience that allows users to understand the workings of neural networks through visual simulations. Train virtual neural networks, watch as neurons adapt and learn in real time, and explore various levels to see how different configurations affect learning outcomes.


Expert Rating for AI Trainer Simulator: 4.9/5 ★★★★★

AI Adventure Island

 AI Adventure Island is an interactive educational game designed to introduce players to the concepts of Large Language Models (LLMs). As players navigate the island in search of treasure, they encounter various challenges and puzzles that illustrate how LLMs process and generate language. The game uses real-time interactions and contextual pop-ups to provide insights into AI training and function, making it a valuable tool for learning about the complexities of language-based AI systems in an engaging and accessible way.


Expert Rating for AI Adventure Island: 4.5/5 ★★★★★☆

Quick, Draw!

 Quick, Draw! is a game developed by Google that uses neural network algorithms to guess what the player is drawing. It provides a fun and challenging way to interact with machine learning as it tries to recognize doodles in real time.


Expert Rating for Quick, Draw!: Rating not available

AI Dungeon

 AI Dungeon is an adventure game that uses advanced AI to generate limitless story possibilities, allowing players to choose their own path in an expansive interactive narrative. Each choice leads to a new branching path, all driven by a sophisticated text-based AI.

Expert Rating for AI Dungeon: Rating not available

Semantic Wars

 In Semantic Wars, players use both word knowledge and strategy to battle opponents. The game combines elements of a classic trivia game with the strategic mechanics of a defense game, challenging players to use AI-generated questions and answers effectively.

Expert Rating for Semantic Wars: Rating not available

You might also like: [Read Aloud - Speech Synthesizer](#), [Web Dictaphone \(PC/Mac\)](#), [Phrase Matcher \(PC/Mac\)](#), [Speech Color Changer \(PC/Mac\)](#), [Djamga AI GPT](#), [Daily AI Chronicle](#), [Discount code for Google Workspace AI](#)

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