

AI & Creativity Everything...

What's cooking? – April 2023

Summarize «*gefährliches Halbwissen*»
about the impact of Artificial Intelligence

18 April 2023

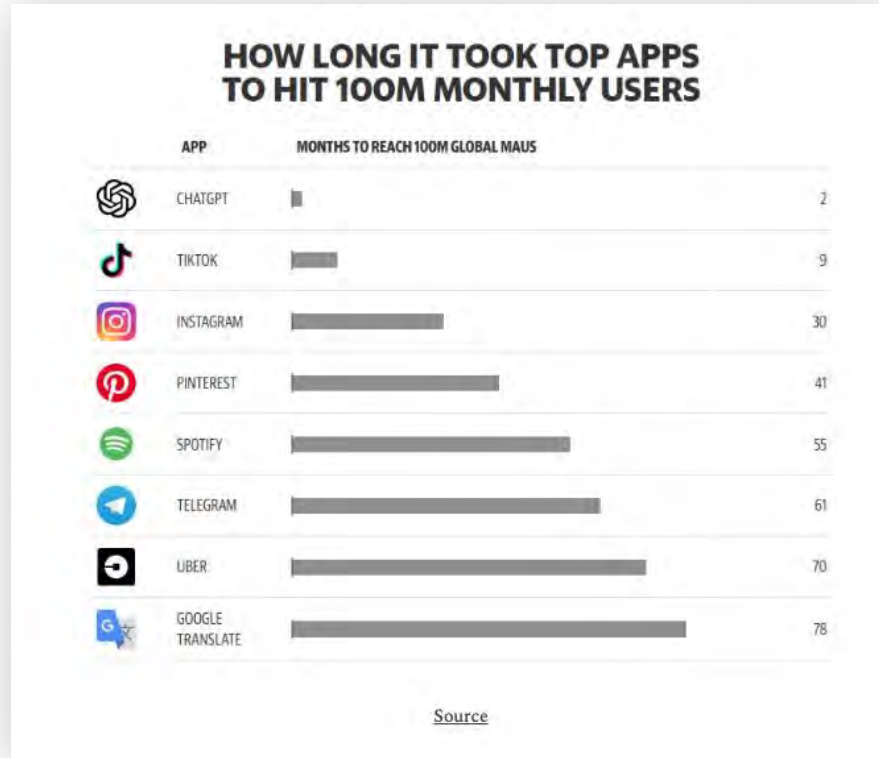
Dennis Oswald

Brand Experience Manager,
[Netgen, Switzerland](#)

N.

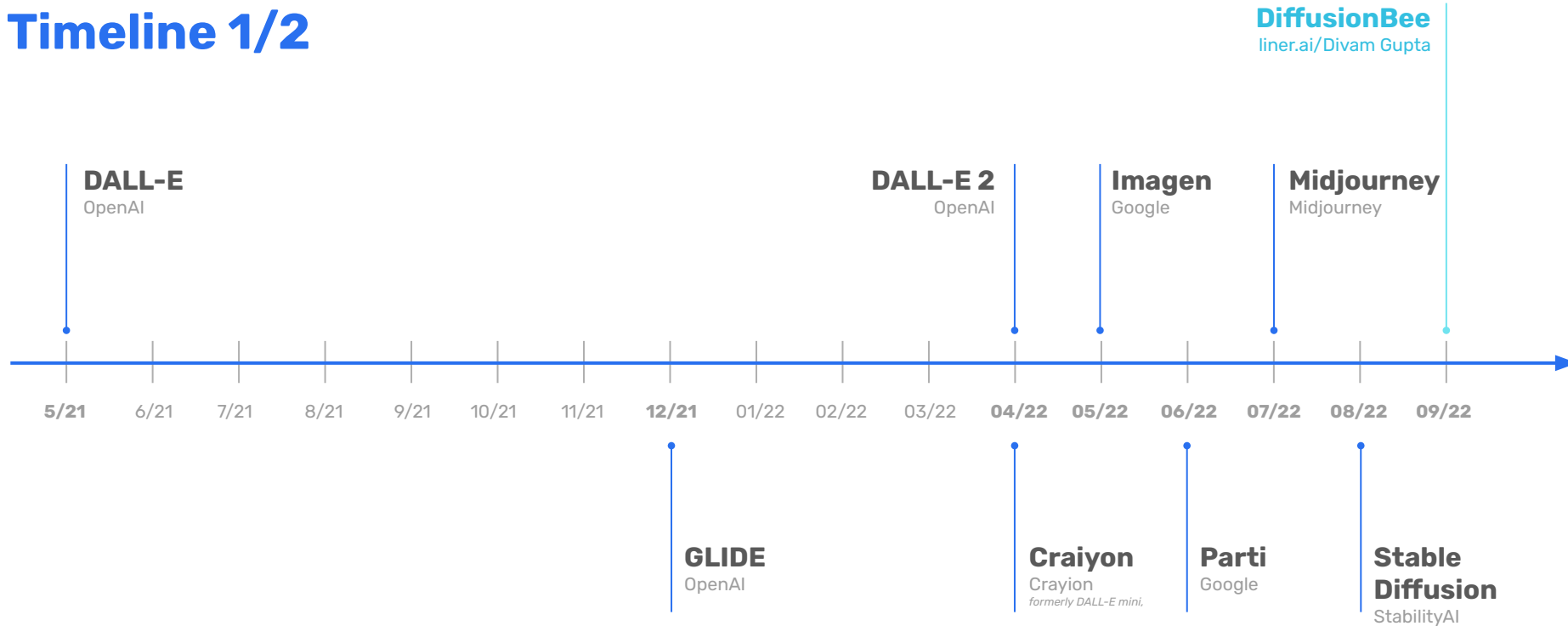


Why are all nuts about it ...?



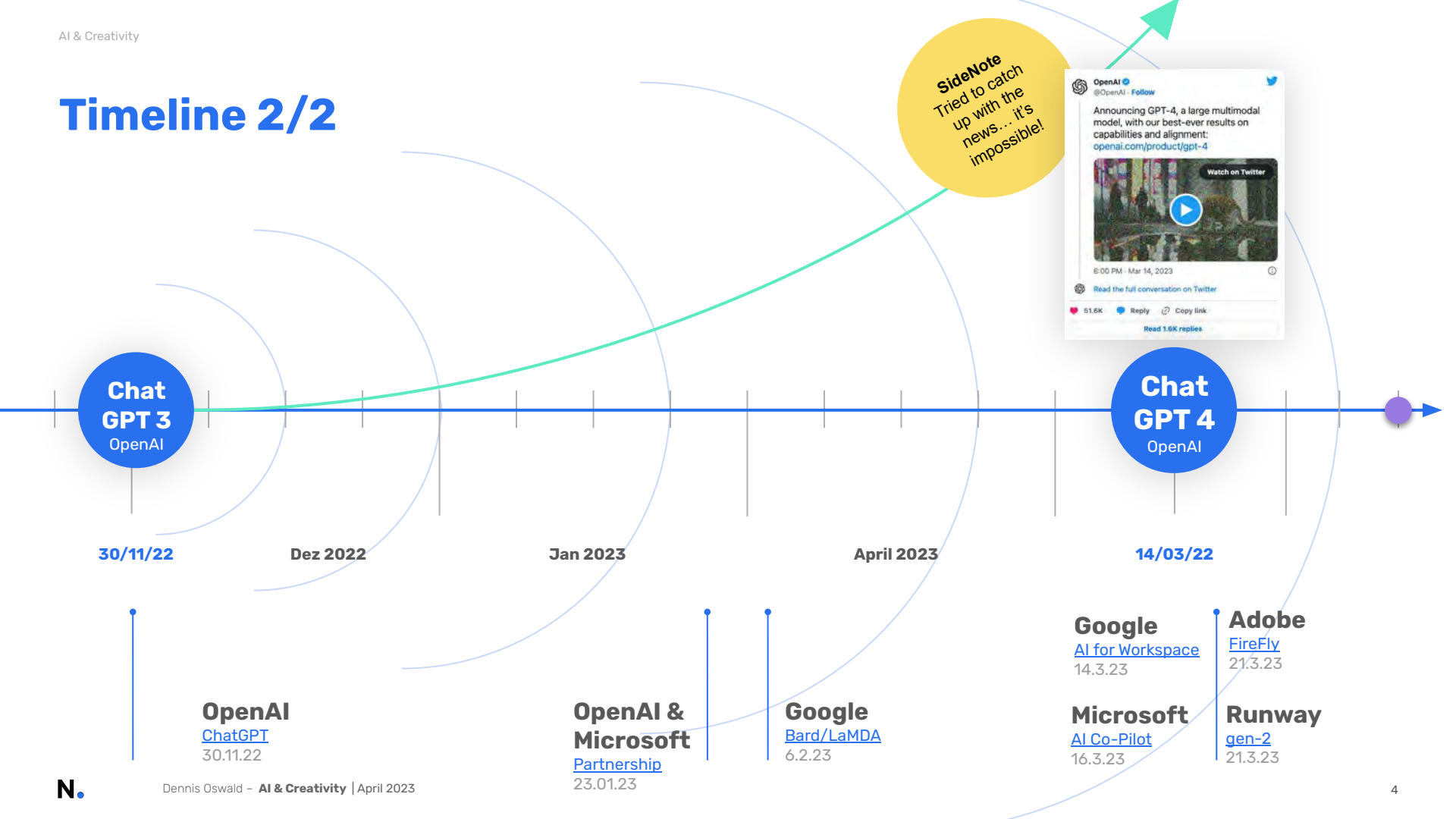
<https://www.evers.com/articles/timeline/openai-chatgpt-with-100-million-users-in-2-months?page=8#event-a-href=articles-timeline-bwfs-instagram-account-flooded-after-indonesian-badminton-team-cannot-competebw039-s-instagram-account-flooded-after-indonesian-badminton-team-cannot-compete-a>

Timeline 1/2



Source:
Zühike 2022 / What can I use AI for? / Thomas Dikk, Gabriel Krummenacher, Silvan Melchior / Digital Festival Zürich 2022

Timeline 2/2



Gate Notes: The Age of AI has begun

In my lifetime, I've seen two demonstrations of technology that struck me as revolutionary.

The first time was in 1980, when I was introduced to a graphical user interface—the forerunner of every modern operating system, including Windows. I sat with the person who had shown me the demo, a brilliant programmer named Charles Simonyi, and we immediately started brainstorming about all the things we could do with such a user-friendly approach to computing. Charles eventually joined Microsoft, Windows became the backbone of Microsoft, and the thinking we did after that demo helped set the company's agenda for the next 15 years.

The second big surprise came just last year. I'd been meeting with the team from **OpenAI** since 2016 and was impressed by their steady progress. In mid-2022, I was so excited about their work that I gave them a challenge: train an artificial intelligence to pass an Advanced Placement biology exam. Make it capable of answering questions that it hasn't been specifically trained for. (I picked AP Bio because the test is more than a simple regurgitation of scientific facts—it asks you to think critically about biology.) If you can do that, I said, then you'll have made a true breakthrough.

I thought the challenge would keep them busy for two or three years. They finished it in just a few months.

A NEW ERA The Age of AI has begun

Artificial intelligence is as revolutionary as mobile phones and the Internet.

By Bill Gates | March 21, 2023 | 14 minutes



<https://www.gatesnotes.com/The-Age-of-AI-Has-Begun>

Productivity enhancement

Although humans are still better than GPT at a lot of things, there are many jobs where these capabilities are not used much. For example, many of the tasks done by a person in sales (digital or phone), service, or document handling (like payables, accounting, or insurance claim disputes) require decision-making but not the ability to learn continuously.

Corporations have training programs for these activities and in most cases, they have a lot of examples of good and bad work. Humans are trained using these data sets, and soon these data sets will also be used to train the AIs that will empower people to do this work more efficiently.

Health

I see several ways in which AIs will improve health care and the medical field.

For one thing, they'll help health-care workers make the most of their time by taking care of certain tasks for them—things like filing insurance claims, dealing with paperwork, and drafting notes from a doctor's visit. I expect that there will be a lot of innovation in this area.

Other AI-driven improvements will be especially important for poor countries, where the vast majority of under-5 deaths happen.

Education

Computers haven't had the effect on education that many of us in the industry have hoped. There have been some good developments, including educational games and online sources of information like Wikipedia, but they haven't had a meaningful effect on any of the measures of students' achievement.

Risks and problems with AI

You've probably read about problems with the current AI models. For example, they aren't necessarily good at understanding the context for a human's request, which leads to some strange results. When you ask an AI to make up something fictional, it can do that well. But you ask for advice about a trip you want to take, it may suggest hotels that don't exist, because the AI doesn't understand the context for your request well enough to know it should invent fake hotels or only tell you about real ones that have rooms available.

The next frontiers

There will be an explosion of companies working on new uses of AI as well as ways to improve the technology itself. For example, companies are developing new chips that will provide the massive amounts of processing power needed for artificial intelligence. Some use optical switches—lasers, essentially—to reduce their energy consumption and lower the manufacturing cost. Ideally, innovative chips will allow you to run an AI on your own device, rather than in the cloud, as you have to do today.

March 2023

In a nutshell

AI News and Highlights, March 2023:

1. **OpenAI** released ChatGPT and Whisper APIs
2. **Ford** launched Latitude AI
3. **UBC's** new AI model predicts cancer patient survival
4. **Hubspot** introduced Chatspot
5. **Discord** launches AI features.
6. New **Bing** crossed 100M Daily Active Users
7. **GM** released a new ChatGPT-like assistant
8. **GPT-4** officially launched
9. **Google** brought AI to Google Workspace
10. **Google** released PaLM API
11. **Microsoft** launched 365 Copilot
12. First, **open source** text to video 1.7 billion parameter model released
13. **Apple** tested AI in Siri, Operation Bobcat
14. **Runway** released Gen-2
15. **Bing** launched Bing image Crestor
16. **Adobe** launched Firefly
17. **ChatGPT** bug exposed some user chat history
18. **GitHub** launched Copilot X
19. **Opera** released in-browser tools
20. **ChatGPT** released plugins
21. **Canva** launched AI tools
22. **Character AI** raised \$150 million
23. AI-generated **Pope** broke the internet
24. **Apple** acquired an AI startup
25. **Zoom** released Zoom IQ
26. **Replit** teamed up with Google
27. **Perplexity** released a new iPhone app
28. A group of **AI leaders** called for a pause on AI
29. **Goldman Sachs** suggested AI impacts 300M jobs
30. **UNESCO** called for AI ethics implementation

AI Frontier
By Steve Nouri

https://www.linkedin.com/posts/stevenouri_artificialintelligence-technology-activity-7048203540365305472-etFm?utm_source=share&utm_medium=member_desktop

How will AI change the ~~creative process?~~ Everything?

Note

This presentation will focus on the user's perspective and not on the technological /development aspects of AI.

- AI will change the ~~creative~~ process by making it **more efficient and effective.**
- AI will help ~~creators~~ to **generate ideas more quickly** and to evaluate and revise them more effectively.
- AI will also help ~~creators~~ to **better understand their audiences** and to tailor their content to **meet their needs.**

Let's play with it & have some fun

inputs



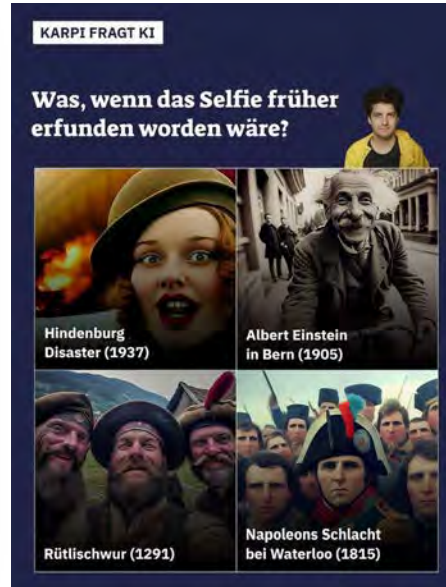
Karpi

My creative AI idol – creative as crazy as it gets



Karpi
Patrick Karpiczenko
Comedian, Filmmaker,
Nerd

<https://twitter.com/karpi>

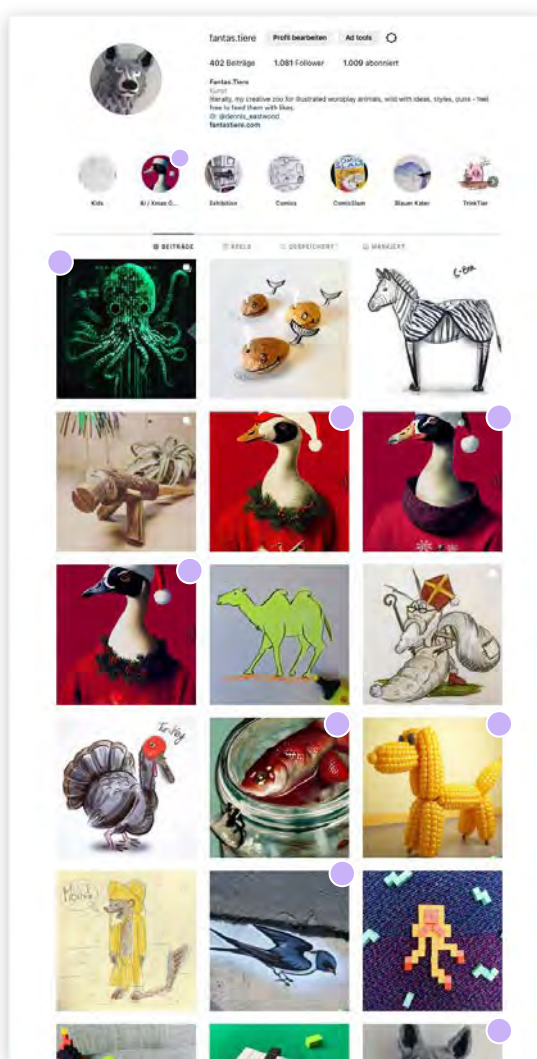


Let's play with it

fantas.tiere – creative pun/fun animal zoo



<https://www.instagram.com/fantas.tiere/>



Let's the AI do the job

fantas.tiere – creative pun/fun animal zoo



Can you think of a wordpun as we trained above on "Ostrich"?



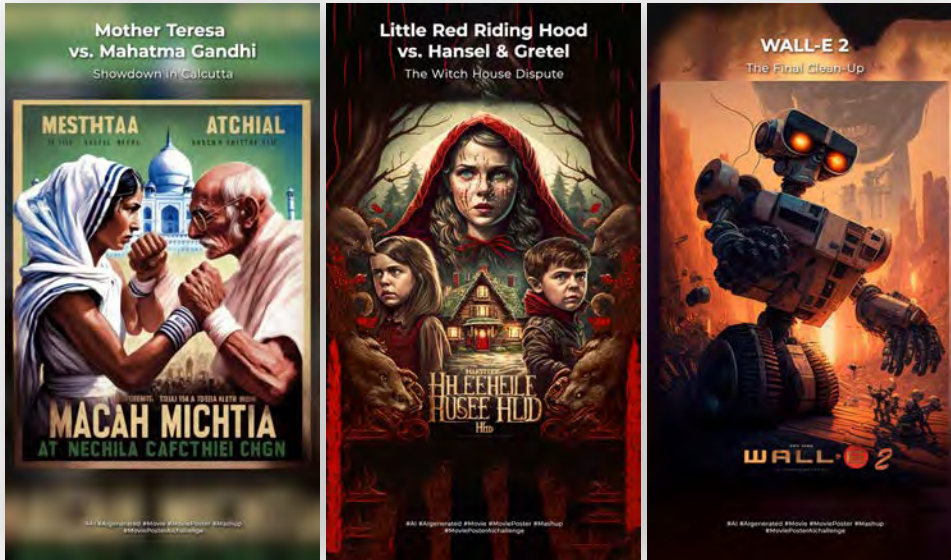
Of course, here's a word pun with "Ostrich" in English:

Wordplay: "Ostretch"

Concept: An ostrich that practices yoga and stretching exercises, showcasing impressive flexibility and balance while encouraging others to stay limber and fit.

Let's play with it

Movie mash ups & AI dialogs



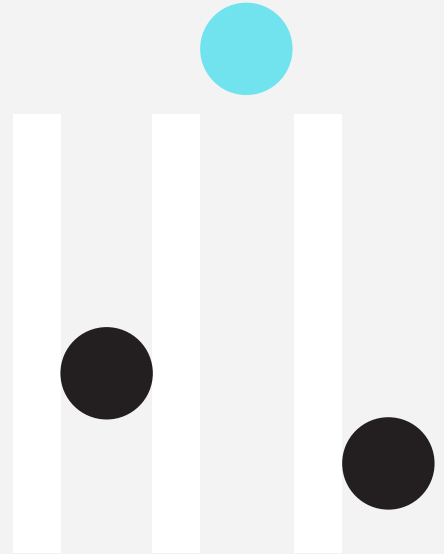
As a movie enthusiast, I now can envision the wildest ideas
- e.g. prompt movie posters with midjourney (v3)



or imagine dialogs (midjourney) and animate them with "D-ID" that have never happened.

How it works

In simple terms, as I am a curious user,
not a nerdy developer...



You want the details ...

Diffusion Models explained ...



<https://www.youtube.com/watch?v=VTAMrHVG1ew>

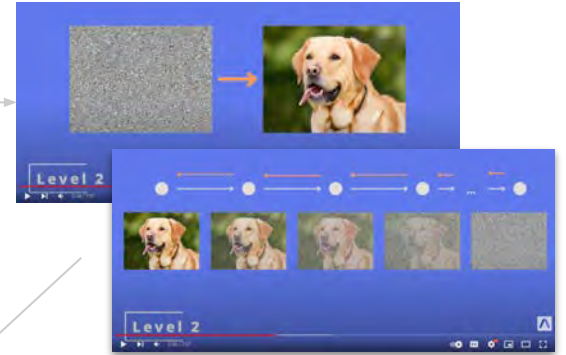
Article

<https://www.assemblyai.com/blog/diffusion-models-for-machine-learning-introduction/>

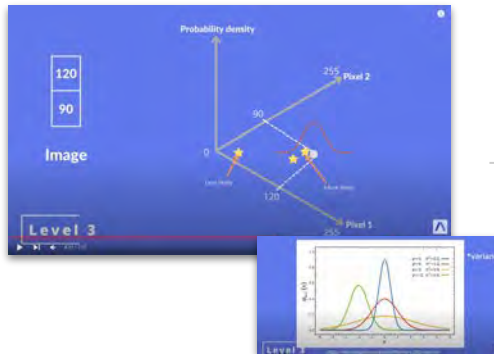
Level 1
Reverse the process to "original state"



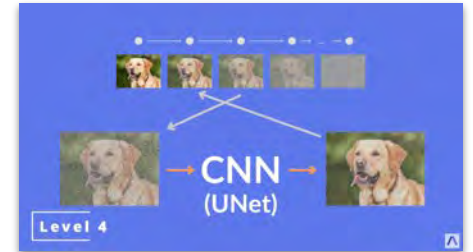
Level 2
Adding noise (markov chain) – reverse noise



Level 3
Gaussian / normal distribution



Level 4
reverse/remove noise with neural networks
(convolutional networks (CNN))



Science / Neuro Science

How this approach can be applied in science



High-resolution image reconstruction with latent diffusion models from human brain activity

Yu Takagi^{1,2*} Shinji Nishimoto^{1,2}

¹Graduate School of Frontier Biosciences, Osaka University, Japan

²CiNet, NICT, Japan

{takagi.yuu.fbs,nishimoto.shinji.fbs}@osaka-u.ac.jp

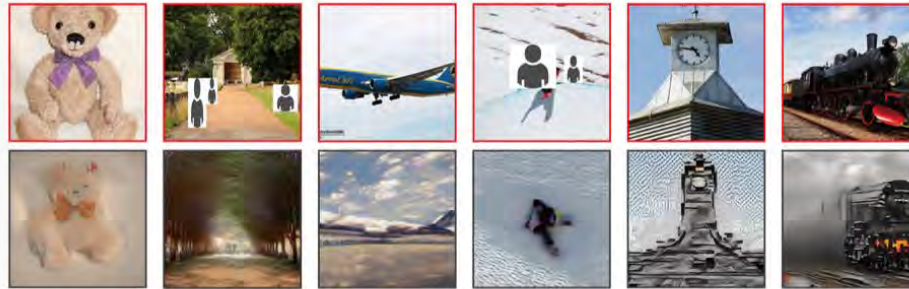


Figure 1. Presented images (red box, top row) and images reconstructed from fMRI signals (gray box, bottom row) for one subject (subj01).

Steve Nouri · 2hr
 Chris AI Assistant | Follower | 10M+ Followers | Khymski | 100%+ | + Follow

Awesome(Scary)! AI can now read your mind!

Researchers Used AI and successfully Generated Images Based or ...see more

AI can read your mind!

These images were Presented to people

These were generated by AI from the brain fMRI signals

Credit: High-resolution image reconstruction with latent diffusion models from human brain activity Yu Takagi^{1,2*} Shinji Nishimoto^{1,2} Graduate School of Frontier Biosciences, Osaka University, Japan¹CiNet, NICT, Japan² {takagi.yuu.fbs,nishimoto.shinji.fbs}@osaka-u.ac.jp

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High-resolution image reconstruction with latent diffusion models from human brain activity

Yu Takagi^{1,2*} Shinji Nishimoto^{1,2}

¹Graduate School of Frontier Biosciences, Osaka University, Japan

²CiNet, NICT, Japan

{takagi.yuu.fbs,nishimoto.shinji.fbs}@osaka-u.ac.jp

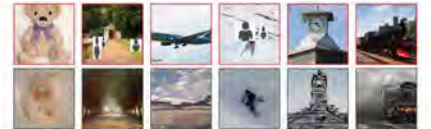


Figure 1. Presented images (red box, top row) and images reconstructed from fMRI signals (gray box, bottom row) for one subject (subj01).

Abstract

Reconstructing visual experiences from human brain activity offers a unique way to understand how the brain represents the world, and to improve the connections between computer vision models and our visual system. While deep generative models have recently been employed for this task, reconstructing realistic images with high semantic fidelity is still a challenging problem. Here, we propose a new method based on a diffusion model (DM) to reconstruct images from human brain activity obtained via functional magnetic resonance imaging (fMRI). More specifically, we rely on a latent diffusion model (LDM) termed Stable Diffusion. This model reduces the computational cost of DMs while preserving their high generative performance. We also characterize the inner mechanisms of the LDM by analyzing how its different components (such as the latent vector of image Z, conditioning input C, and different elements of the denoising U-Net) relate to distinct brain functions. We show that our proposed method can reconstruct high-resolution images with high fidelity in single

forward passes, without the need for any additional training and fine-tuning of complex deep-learning models. We also provide a quantitative interpretation of different LDM components from a semantic traffic perspective. Overall, our study proposes a promising method for reconstructing images from human brain activity, and provides a new framework for understanding DM. Please check our new webpage at <https://brain.google.com/news/high-resolution-visual-reconstruction>.

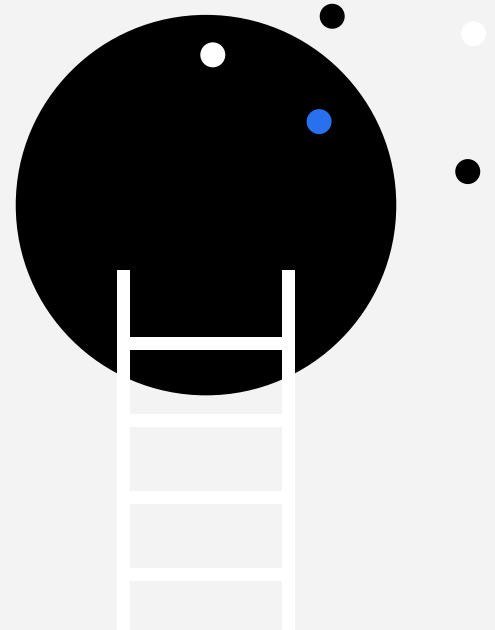
1. Introduction

A fundamental goal of computer vision is to construct artificial systems that see and recognize the world as human visual systems do. Recent developments in the measurement of population brain activity, combined with advances in the implementation and design of deep neural network models, have allowed direct comparisons between latent representations in biological brains and architectural characteristics of artificial networks, providing important insights into how these systems operate [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11]. These efforts have im-

https://www.linkedin.com/posts/dennis-oswald-4a260222_artificialintelligence-technology-innovation-activity-7038022914226442240-KwQY?utm_source=share&utm_medium=member_desktop

Issues

Monopols & Power, Biases & Ethics,
Licenses, Impact ...



«**These companies control the tooling development environments, languages, and software that define the AI research process - they make the water in which AI research swims.**»

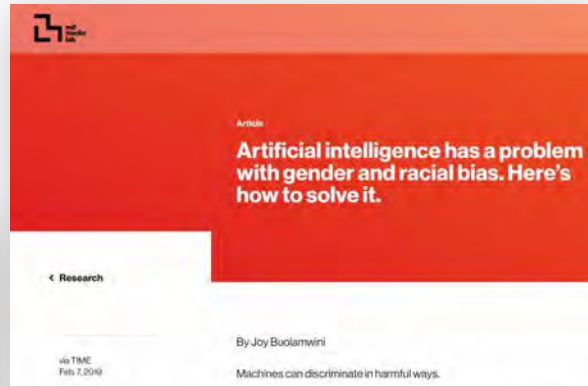
Meredith Whittaker - The Steep Cost of Capture Interactions,
November/December 2021 // <https://talks.ovl.design/wBntT5#stNitlw>

«**Garbage in –
Garbage out!**»»

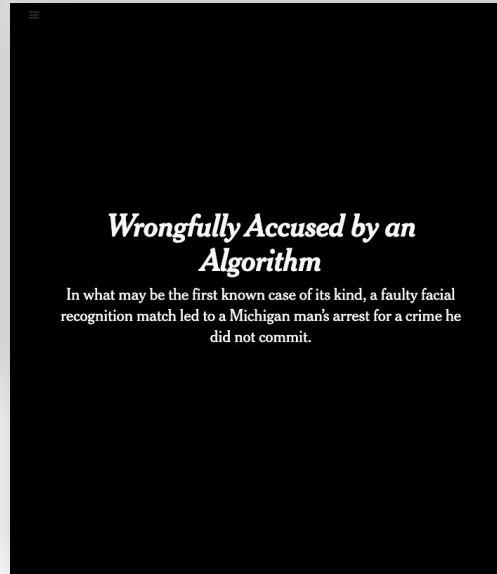
Biased code



<https://www.youtube.com/watch?v=jZl55PsFzIQ&t=5s>



<https://www.media.mit.edu/articles/artificial-intelligence-has-a-problem-with-gender-and-racial-bias-heres-how-to-solve-it/>



<https://www.nytimes.com/2020/06/24/technology/facial-recognition-arrest.html>



Bias – Image of God

The screenshot displays the DreamStudio AI interface. On the left, a sidebar contains navigation options: Home, Dream, History, Prompt Guide, Social, FAQ, and Support. The main area shows a grid of 12 generated images of God, each with a different artistic style and background. A tooltip for the top-center image reads:

Glebaary Gods

Although God is not visible, many religions also say I believe in a higher power. In the world around me, I see a lot of things that I don't understand. I see people who are not like me, and I see people who are not like me. I see people who are not like me, and I see people who are not like me. I see people who are not like me, and I see people who are not like me.

On the right, a control panel allows users to adjust parameters for image generation:

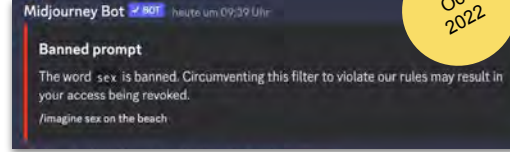
- Width: 1024
- Height: 1024
- City Scale: [Slider]
- Steps: [Slider]
- Number of Images: 1
- Seed: [Input field]
- Style: [Dropdown menu]
- Model: [Dropdown menu]
- Stable Diffusion v1.5
- Image: [Input field]

At the bottom left, the prompt "image of god" is visible in the input field. The bottom right corner of the interface features a "Generate" button.

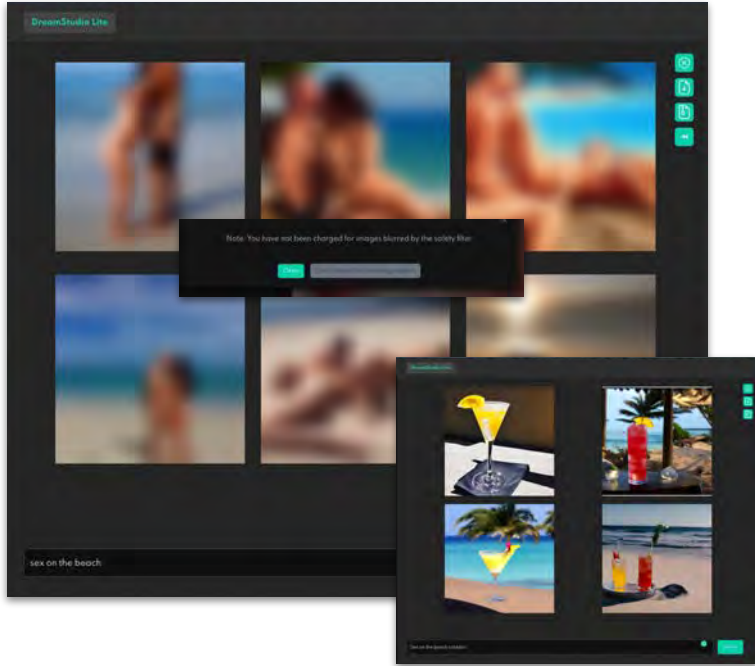
<https://beta.dreamstudio.ai/dream>

Censorship – Sex On The Beach ... (Cocktail)

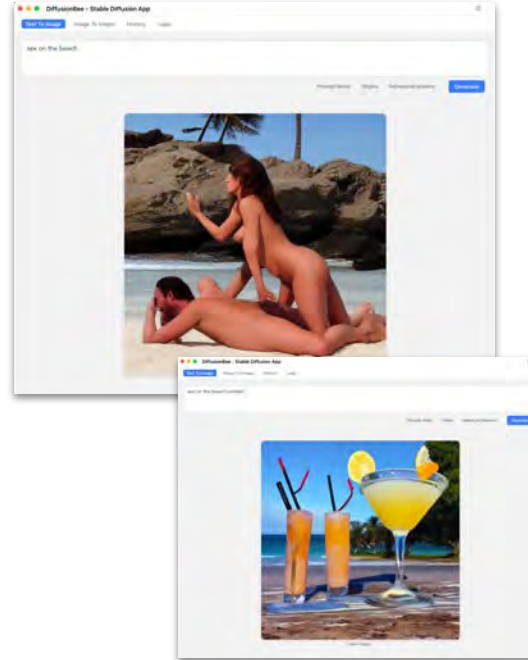
Oct 2022



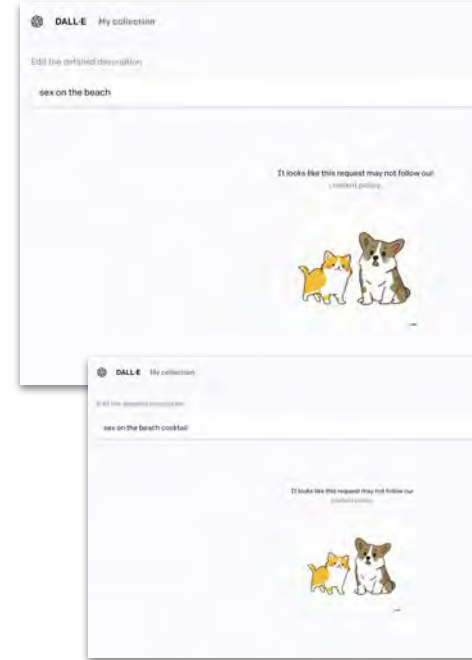
midjourney



<https://beta.dreamstudio.ai/dream>



DiffusionBee



<https://labs.openai.com/>

Plagiarism & Licenses

MIT Technology Review

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ARTIFICIAL INTELLIGENCE

This artist is dominating AI-generated art. And he's not happy about it.

Greg Rutkowski is a more popular prompt than Picasso.

by **Melissa Heikkilä**
September 16, 2022

Those cool AI-generated images you've seen across the internet? There's a good chance they are based on the works of [Greg Rutkowski](#).

Rutkowski is a Polish digital artist who uses classical painting styles to create dreamy fantasy landscapes. He has made illustrations for games such as Sony's *Horizon Forbidden West*, Ubisoft's *Assassin's Creed Valhalla*, and *Dragon's Dogma: Dark Arisen*. And he's become a sudden hit in the new world of text-to-image AI generation.

«Rutkowski says he doesn't blame people who use his name as a prompt. For them, "it's a cool experiment," he says. "But for me and many other artists, it's starting to look like a threat to our careers.»

Online Article

N.

Dennis Oswald – AI & Creativity | April 2023



Rutkowski's "Castle Defense, 2018" (left) and a Stable Diffusion prompted image



Midjourney's "Castle Defense, 2018" (right) and a Stable Diffusion prompted image

Forbes

AI-Created Images Aren't Protected By Copyright Law According To U.S. Copyright Office

by **Matt Novak**, Contributor
FOIA reporter and founder of [PulseFuture.com](#), writing news and opinion on every aspect of...

Feb 22, 2023, 08:34pm EST

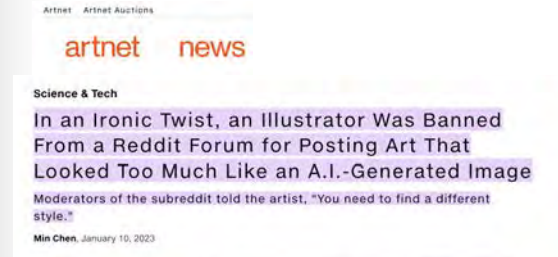
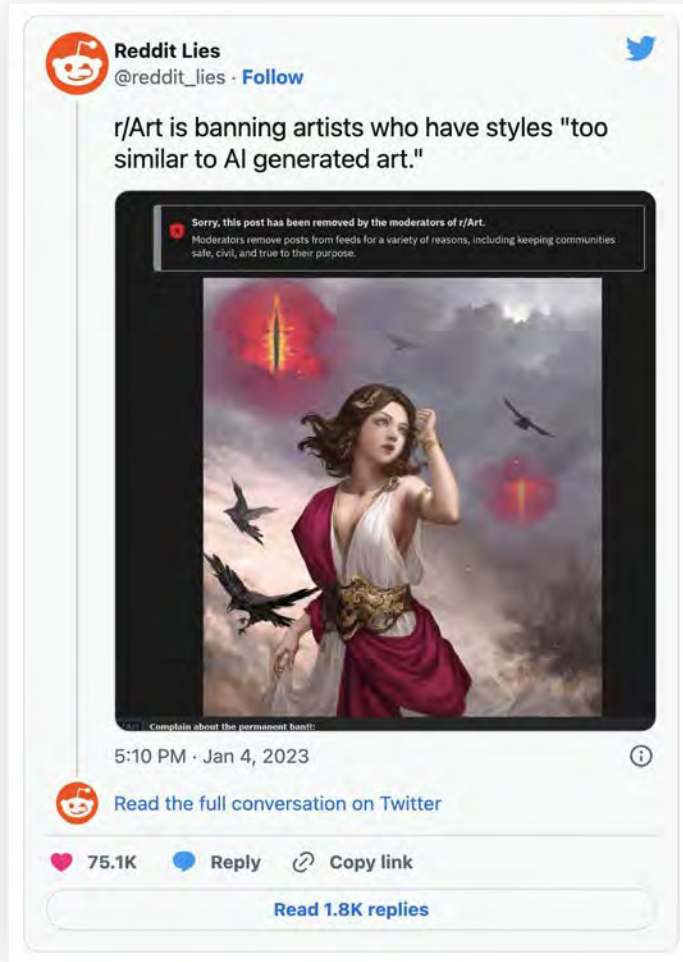
ZARYA OF THE DAWN

The *Zarya of the Dawn* comic book that was had its copyright status reviewed after the U.S. Copyright Office...

The U.S. Copyright Office has ruled that illustrations in a new comic book that were created with the AI program Midjourney are not protected by copyright law, according to a letter issued by the Copyright Office. News of the decision, first reported by Reuters, comes as internet users become accustomed to a new world of content creation that increasingly depends on artificial intelligence tools like ChatGPT and Midjourney.

<https://www.forbes.com/sites/mattnovak/2023/02/22/ai-created-images-in-new-comic-book-arent-protected-by-copy-right-law-according-to-us-copyright-office/>

Ironic twist ...



Sustainability (Profitability)

To train a single AI model like GPT-3 once, consumes as much as 126 houses in Denmark in one year (or 1 car doing 700000km)

Der Spiegel 10/2023

The image shows a screenshot of an MIT Technology Review article. At the top left is the MIT Technology Review logo. To its right are navigation links: 'Featured', 'Topics', 'Newsletters', 'Events', and 'Podcasts'. Further right are two buttons: 'SIGN IN' and 'SUBSCRIBE'. The main content area has a dark background with a grid of small white dots. The article title is 'Training a single AI model can emit as much carbon as five cars in their lifetimes' in large white font. Below the title is the subtitle 'Deep learning has a terrible carbon footprint.' and the author 'By Karen Hao' and date 'June 6, 2019'. A large photograph of a server room with rows of server racks is shown. Below the photo is the caption 'A data center' and 'DEAN MOUNTARD/PHOTOS | GETTY; EDITED BY MIT TECHNOLOGY REVIEW'. At the bottom of the article, there is a paragraph: 'The artificial-intelligence industry is often compared to the oil industry: once mined and refined, data, like oil, can be a highly lucrative commodity. Now it seems the metaphor may extend even further. Like its fossil-fuel counterpart, the process of deep learning has an outsize environmental impact.'

A question posed to ChatGPT may requires around 300 times more energy to answer than a similar query on Google.

But artificial intelligence could also help improve the CO₂ balance sheet of many industries.

https://www.tipinpoint.ch/artikel/76509/kl_als_mittel_gegen_die_globale_erwaermtung.html

<https://www.technologyreview.com/2019/06/06/239031/training-a-single-ai-model-can-emit-as-much-carbon-as-five-cars-in-their-lifetimes/>



Fairness & Responsibility

BUSINESS • TECHNOLOGY

Exclusive: OpenAI Used Kenyan Workers on Less Than \$2 Per Hour to Make ChatGPT Less Toxic



This image was generated by OpenAI's image-generation software, Dall-E 2. The prompt was: "A seemingly endless view of African workers at desks in front of computer screens in a printmaking style." TIME does not typically use AI-generated art to illustrate its stories, but chose to in this instance in order to draw attention to the power of OpenAI's technology and shed light on the labor that makes it possible. Image generated by Dall-E 2/OpenAI

BY **BILLY PERRIGO**  JANUARY 18, 2023 7:00 AM EST

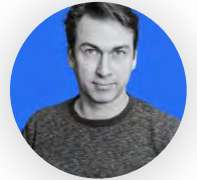
<https://time.com/6247678/openai-chatgpt-kenya-workers/>

Tools, Tools, Tools, Tools, Tools ...

AI tools & AI plugins

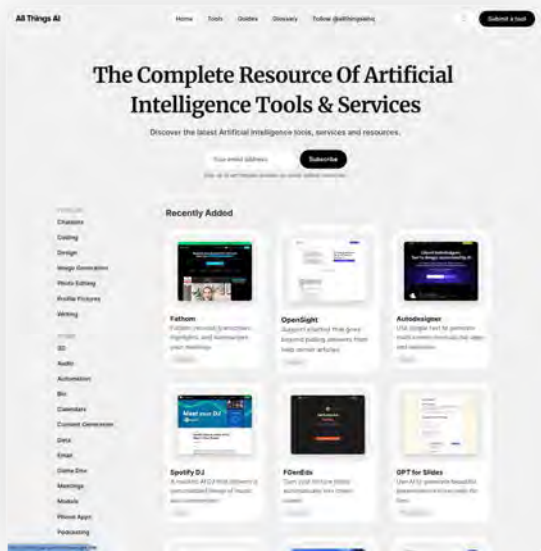


The question will not be whether we use AI tools – **but which ones, when and with what intent?**

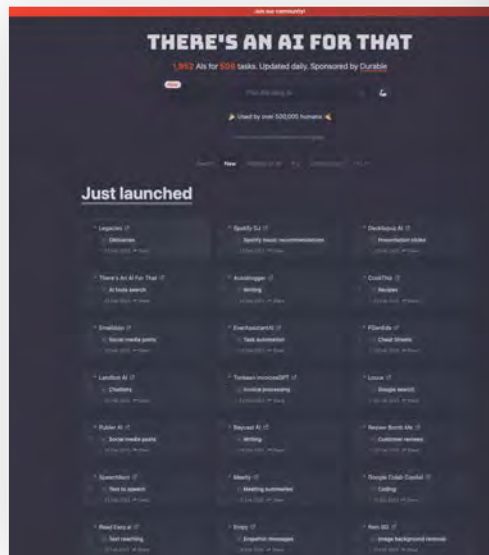


[Dennis Oswald](#)
Brand Experience
Manager

How to keep the overview Databases...

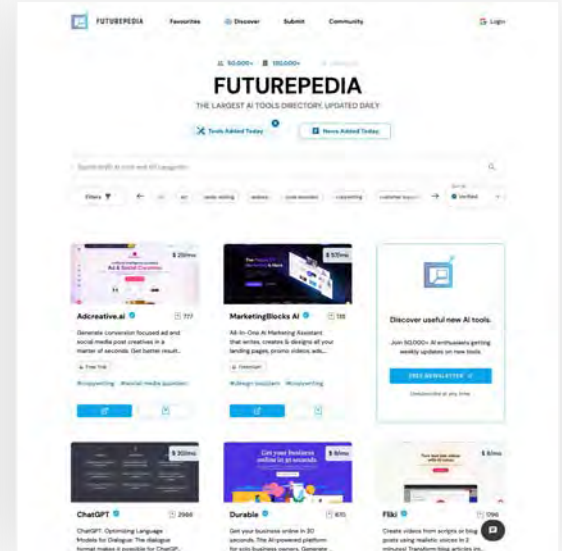


<https://allthingsai.com/>



<https://theresanaiforthat.com/>

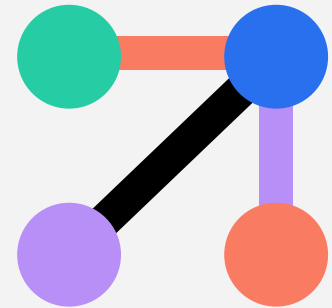
<https://theresanaiforthat.com/timeline/#switch>



<https://www.futurepedia.io/>

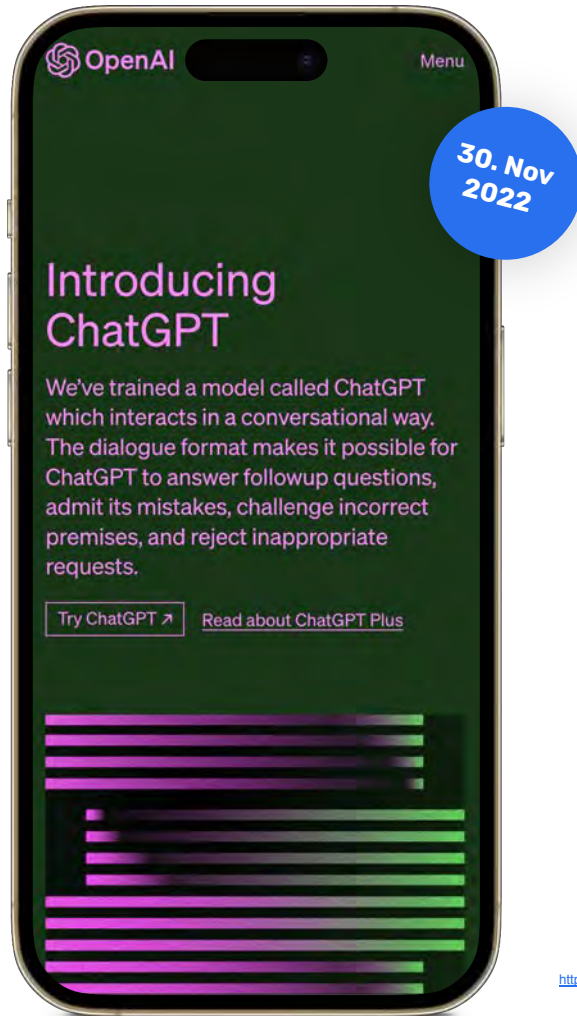
Enhancements for Creativity

A small glimpse ...



The iPhone Moment for AI

2 months to hit
100m monthly
users



<https://openai.com/blog/chatgpt>

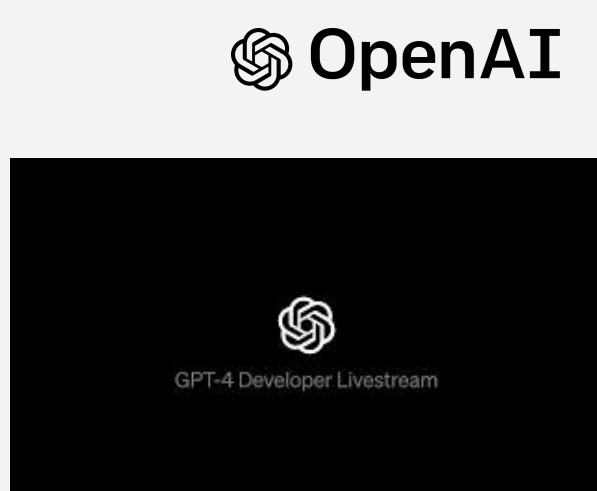
OpenAI - ChatGPT 4

<https://openai.com/product/gpt-4>

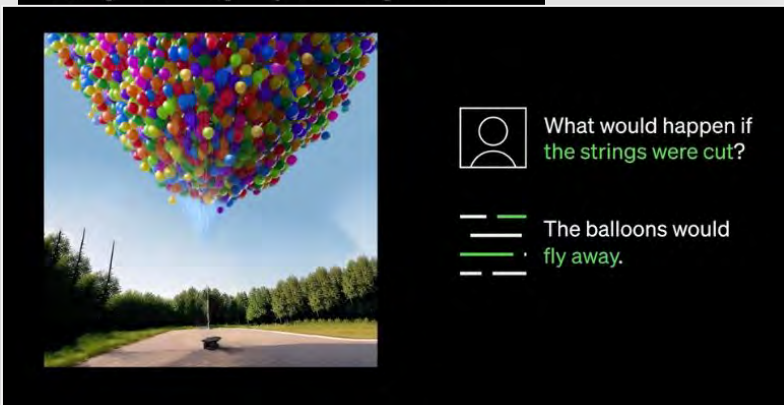
released on March 14, 2023,
will be available via API and
for premium ChatGPT users
(20 USD/month)

Some links:

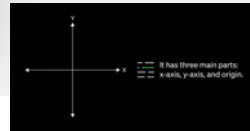
- <https://openai.com/product/gpt-4>
- <https://www.theverge.com/2023/3/14/2364101-multimodal-deep-learning>



<https://www.youtube.com/watch?v=outcGtbnMuQ>



GPT-4 outperforms ChatGPT-3.5 by scoring in higher approximate percentiles among test-takers.



ChatGPT / Plugins

official/inofficial

ChatGPT plugins

We've implemented initial support for plugins in ChatGPT. Plugins are tools designed specifically for language models with safety as a core principle, and help ChatGPT access up-to-date information, run computations, or use third-party services.

[Join plugins waitlist](#) [Read documentation](#)

WIRED BACKCHANNEL BUSINESS CULTURE DEAR HUMAN AI

WELL KNIGHT MARK DREIBER

Now That ChatGPT Is Plugged In, Things Could Get Weird

Letting the chatbot interact with the live internet will make it more useful—and more problematic, too.

OpenAI Research Product Developers Safety Company Search

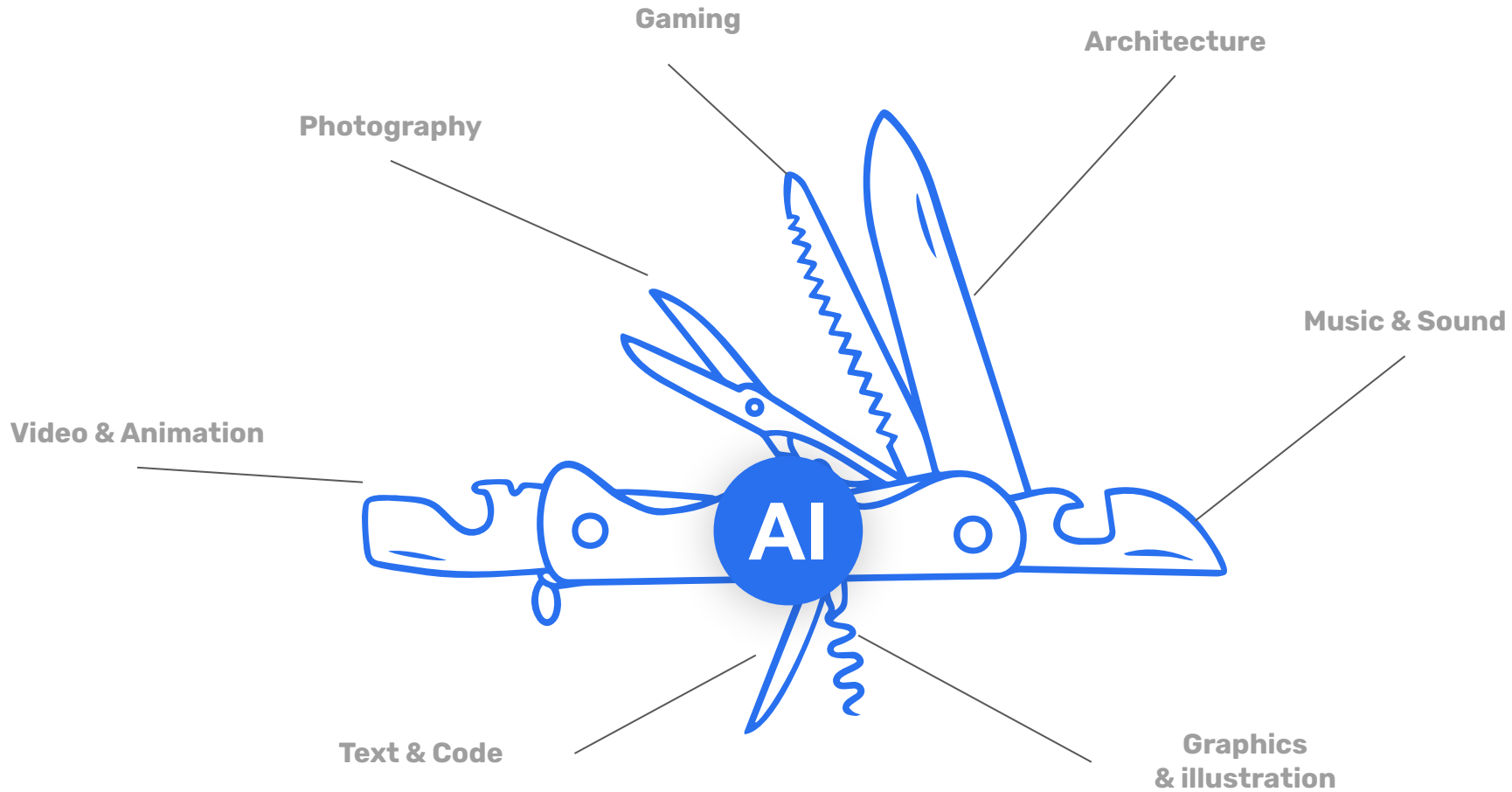
- Expedia**: Bring your trip plans to life—get there, stay there, find things to see and do.
- FiscalNote**: Provides access to selected market-leading, real-time data sets for legal, political, and regulatory data and information.
- Instacart**: Order from your favorite local grocery stores.
- KAYAK**: Search for flights, stays and rental cars. Get recommendations for all the places you can go within your budget.
- Milo Family AI**: Giving parents superpowers to turn the magic to magic, 20 minutes each day. Ask: Hey Milo, what's magic today?
- OpenTable**: Provides restaurant recommendations, with a direct link to book.
- Shop**: Search for millions of products from the world's greatest brands.
- Speak**: Learn how to say anything in another language with Speak, your AI-powered language tutor.
- Wolfram**: Access computation, math, curated knowledge & real-time data through Wolfram|Alpha and Wolfram Language.
- Zapier**: Interact with over 5,000+ apps, like Google Sheets, Trello, Gmail, HubSpot, Salesforce, and more.

This morning I was hacking the new ChatGPT API and found something super interesting; there are over 80 secret plugins that can be revealed by removing a specific parameter from an API call. The secret plugins include a "DAN" plugin, "Crypto Prices Plugin", and many more.

224 files changed, 1673 lines added, 3,266 lines removed

3,221 commits 88K stars 12.2K forks 2,356 subscribers

<https://openai.com/blog/chatgpt-plugins>



text-2-image

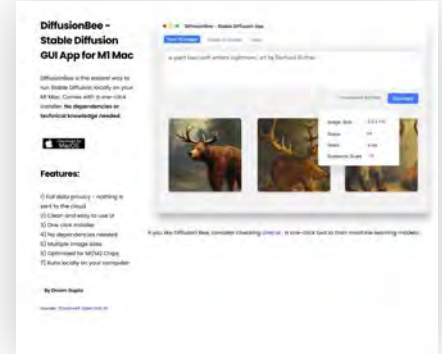
Dalle-2, DreamStudio, Midjourney, DiffusionBee ...

<https://stability.ai/blog/stablediffusion2-1-release7-dec-2022>

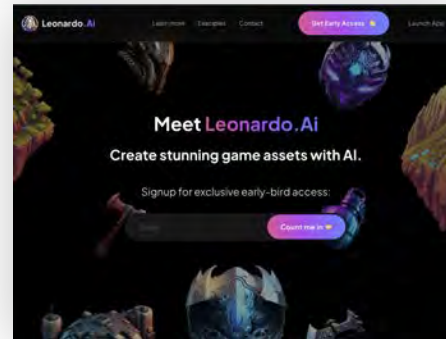
<https://diffusionbee.com/>



<https://openai.com/dall-e-2/>

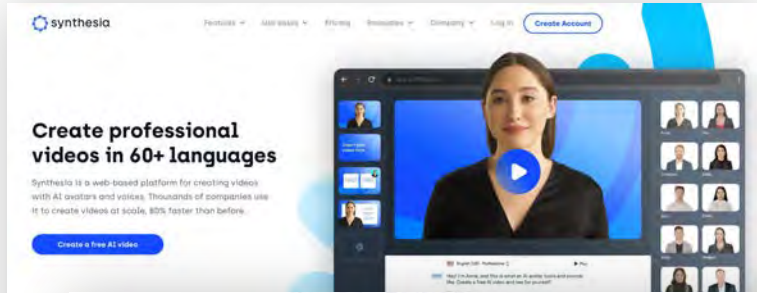


<https://www.midjourney.com/home/>



<https://leonardo.ai/>

Text-to-audio (text-2-speaker)

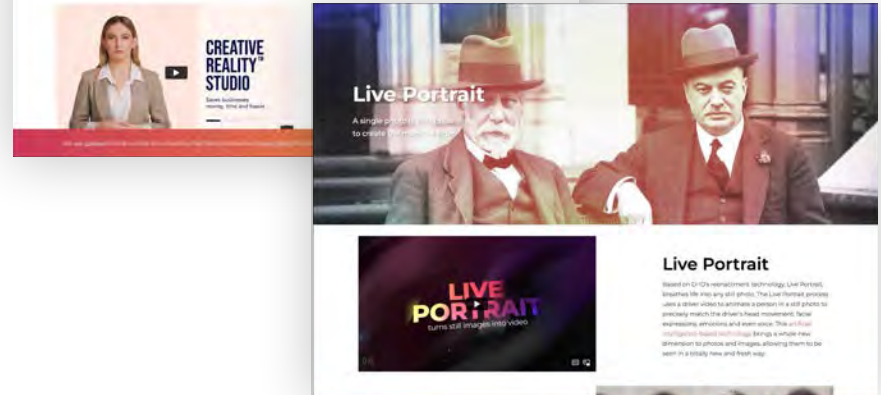
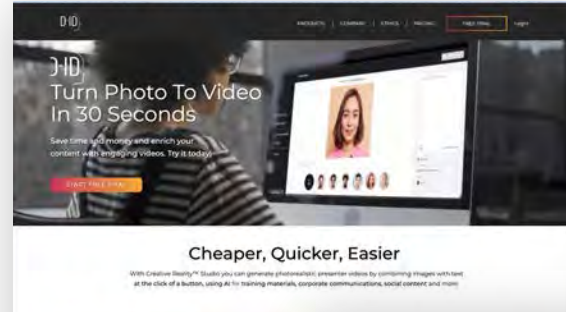


See how it works

Synthesia is simple, intuitive and requires no prior knowledge of video creation. Anyone on your team can now create a professional video from day one.



<https://www.synthesia.io/>



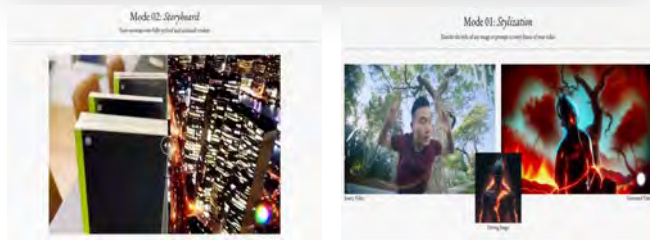
<https://www.d-id.com/liveportrait-4/>

Runway / Gen-1

<https://www.youtube.com/watch?v=ftqgWkHiN0k&t=40s>



8. Feb
2023



Runway / Gen-2

<https://research.runwayml.com/gen2>



21. Mar
2023

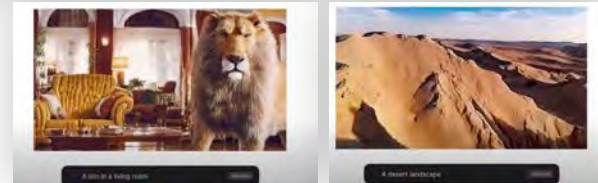


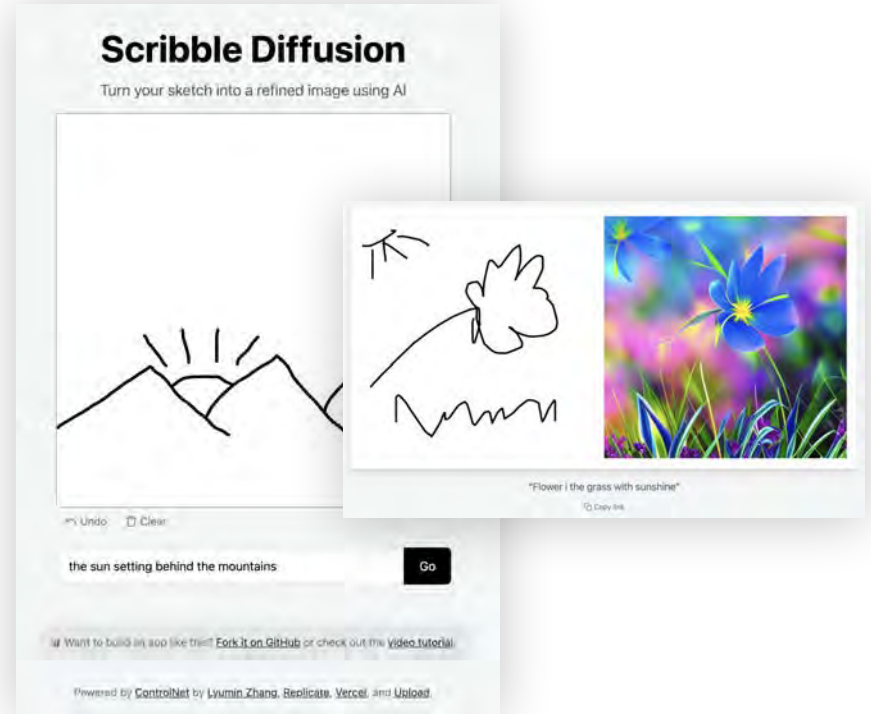
image-2-image

...



<https://www.youtube.com/watch?v=t1ZVufiVO2c&t=15s>

<https://www.youtube.com/watch?v=G-Wsh1vUeVQ>



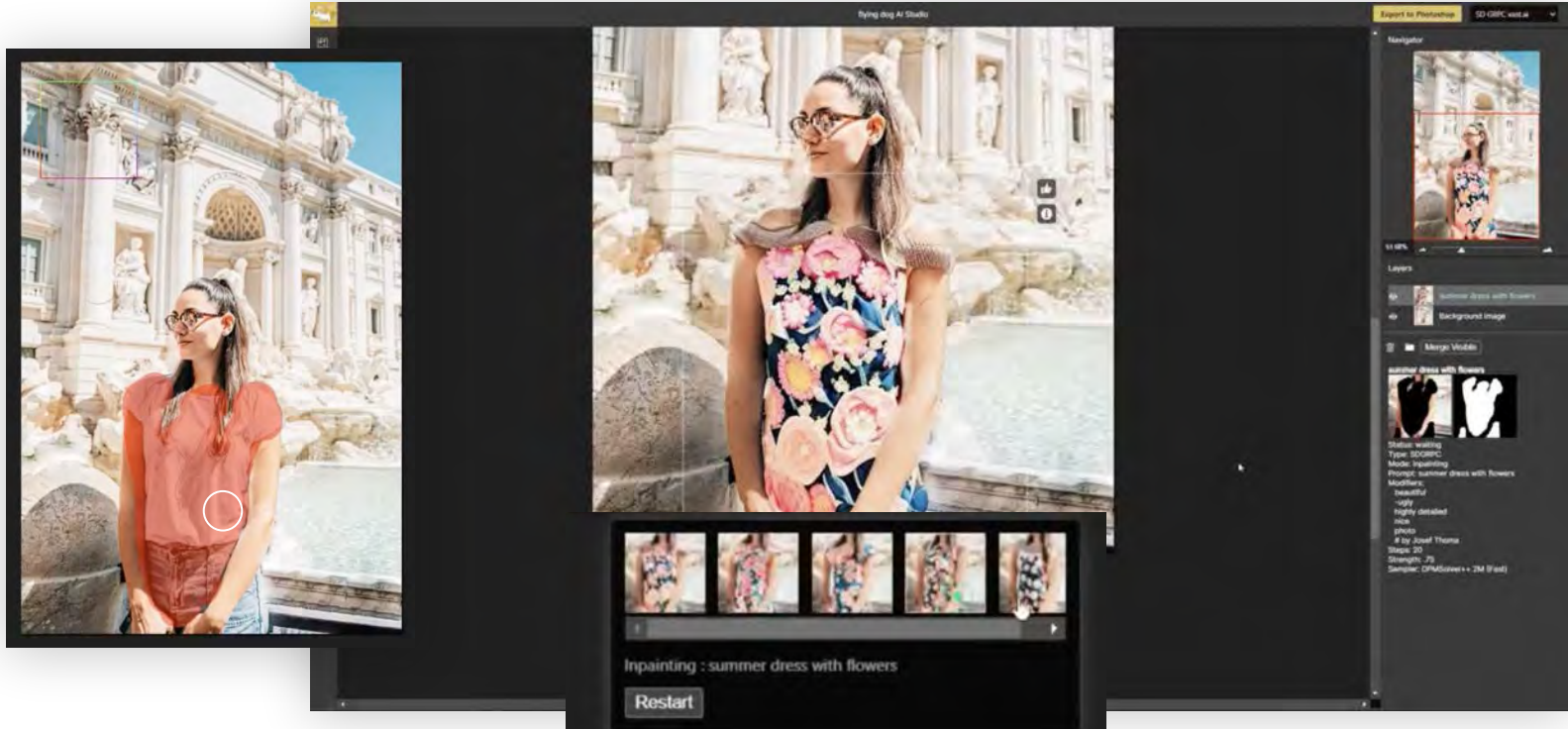
<https://scribblediffusion.com/>



Santiago
<https://twitter.com/svpino>

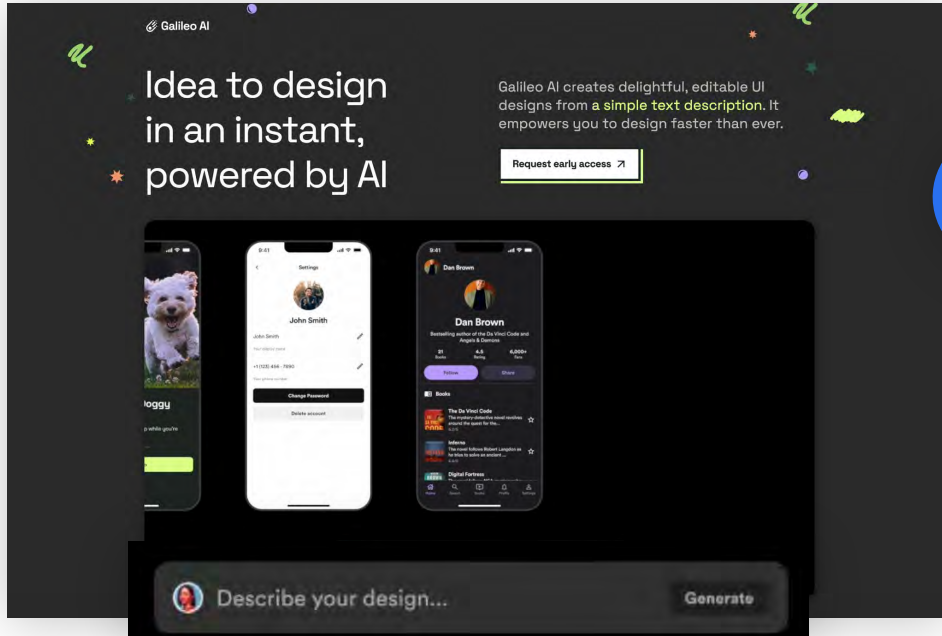
Image Editing

Figma / Stable Diffusion / ControlNet

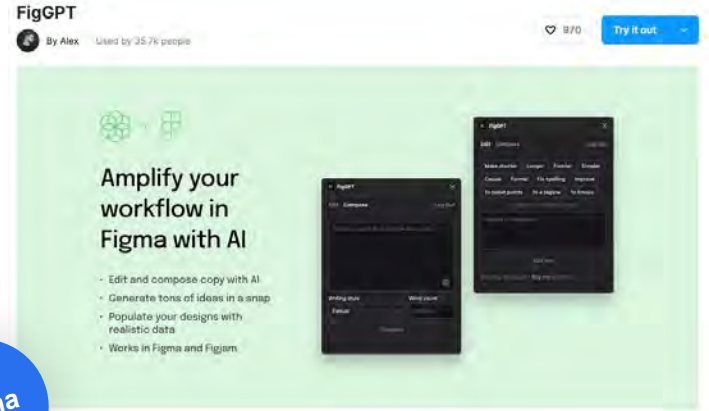


User Interface

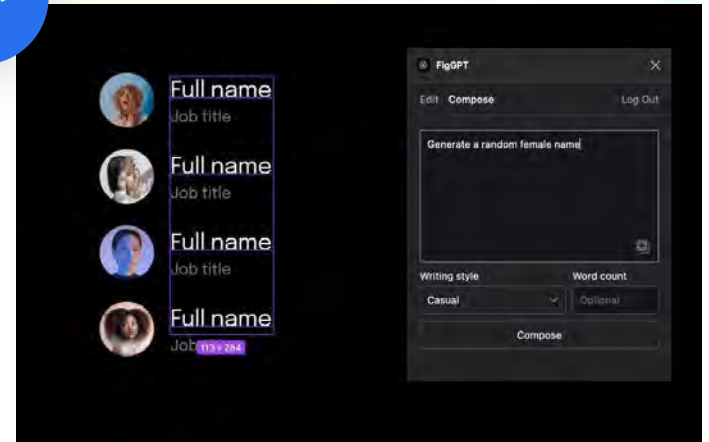
Figma / Stable Diffusion / ControlNet



<https://www.usegalileo.ai/>



Figma



<https://www.usegalileo.ai/>

Image/Photo Prompting

MidJourney v5 instead of stock photography

close-up shot of a thin-crust pizza with prosciutto and arugula, Salty, crisp, fresh, gourmet, flavor, rustic, delicious, Fujion XF 18-55mm f/2.8-4 R LM OIS, Midday with natural sunlight, A sense of indulgence and gourmet flavor, 4896 x 3264 pixels, f/4, Bright and airy with a focus on the texture and color of the pizza, natural composition, digital format --v 5 - @Fantas.Tiere (fast)

Well written text prompt for midjourney using a rich description, professional camera settings and MJ-parameters



Based on:

https://www.linkedin.com/posts/rory-flynn-c12_prompting-midjourney-on-steroids-activity-7040398089823670272-LJwd/?utm_source=share&utm_medium=member_desktop

Train the **Text-AI** to feed the **Image-AI**

ChatCPT 4 with MidJourney v5



Can I train you to make good prompts for an text-to-image prompt tool by giving you examples?



Sure, I'll switch back to English. Please provide the five examples, and I will do my best to learn from them and generate similar prompts for a text-to-image tool.



under this URL you will find informations to consider for your prompts, let me know if you understand how to apply this: <https://docs.midjourney.com/docs/parameter-list>

Please write in English language.



Thank you for providing the link to the documentation. I have reviewed the information on the parameter list, and I understand how to apply it to the prompts I generate. The parameters provided include aspect ratio (--ar), quality (--q), and version (--v), which help guide the text-to-image prompt tool in generating images with specific characteristics.

Based on the documentation, I will adjust the prompts I create accordingly. Here are two new prompts that incorporate the parameters according to the provided guidelines:



can you discribe the pattern structure behind all the prompts



Of course, I can do that. The pattern structure behind the prompts consists of several parts:

1. Image description: Here, I describe the desired image or scene in rich and vivid words to provide a clear understanding of the scene.
2. Technical details: In some prompts, I include information about the camera, lens, and camera settings to emphasize the photographic quality of the desired image.
3. Parameters from the documentation: At the end of each prompt, I add parameters such as aspect ratio (ar), quality (q), and verbosity (v) to define the desired image specifications.

This pattern structure helps create consistent and detailed prompts for the text-to-image input prompt. You can adjust the structure as needed to generate different scenes and image styles.



can you create a text master formular using variants in {} for this structure



Certainly! Here's a master formula for the prompt structure, using variants enclosed in {}:

Prompt:

A {descriptor} {scene type} of a {subject}, {action or emotion description}. The {scene elements and details}. The photograph is expertly taken using a {camera brand and model} with a {lens type and specifications}, known for its {lens characteristics}. The camera settings include an aperture of {aperture}, ISO {ISO}, and a shutter speed of {shutter speed}, {purpose or effect of camera settings}. The {lighting and color description}. {Additional artistic or emotional commentary}. --ar {aspect ratio} --q {quality} --v {verbosity}.

Replace the text in {} with appropriate variations according to your desired scene. This formula can be adjusted to accommodate different scenes and image styles, while maintaining the core structure of the prompt.

Train the **Text-AI** to feed the **Image-AI**

ChatGPT 4 x MidJourney v5



Beautiful female model walking the runway in a supreme fashion show



Prompt 17:

A stunning, high-quality image of a beautiful female model confidently walking the runway at a **prestigious fashion show**, showcasing a spectacular and elegant designer outfit from the Supreme fashion brand. This captivating scene captures the essence of high fashion, as the model gracefully strides down the runway, her poise and charisma on full display. The image is expertly photographed using a Canon EOS-1D X Mark III DSLR camera with a Canon EF 70-200mm f/2.8L IS III USM lens, known for its exceptional sharpness and ability to capture fast-paced action. The camera settings include an aperture of f/4, ISO 800, and a shutter speed of 1/1000 sec, freezing the motion and highlighting the exquisite details of the model's outfit and accessories. The composition emphasizes the model's commanding presence and the luxurious atmosphere of the high-end fashion show. --ar 16:9 --q 2 --v 5.

In this prompt, I have used the following parameters from the documentation:

- Aspect ratio (ar): 16:9
- Quality (q): 2
- Verbosity (v): 5

Please let me know if you'd like me to create more prompts or if you have any specific requests for the scenes you'd like me to generate.

ChatGPT4
to
MJv5



futuristic science fictional fashion show,

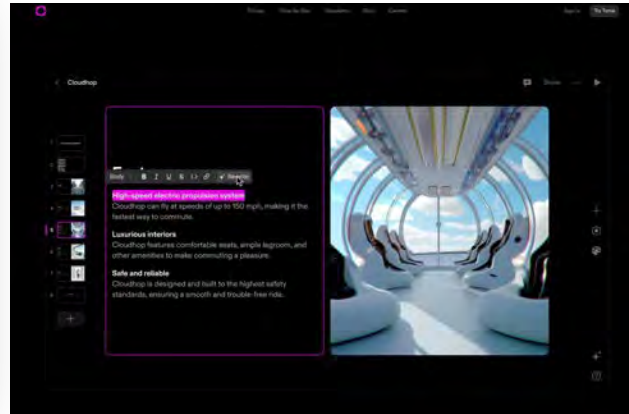
burlesque fashion show,

Presentations & Storytelling

iAPresenter, Tome, Magic Slides



<https://ia.net/presenter>



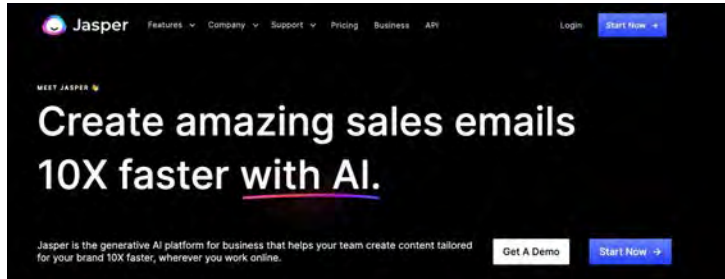
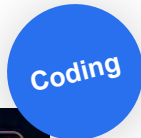
<https://beta.tome.app/>



<https://www.magicslides.app/>

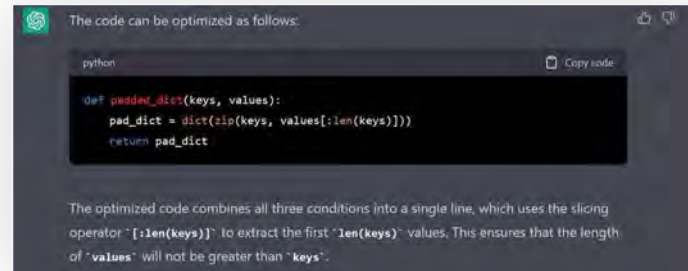
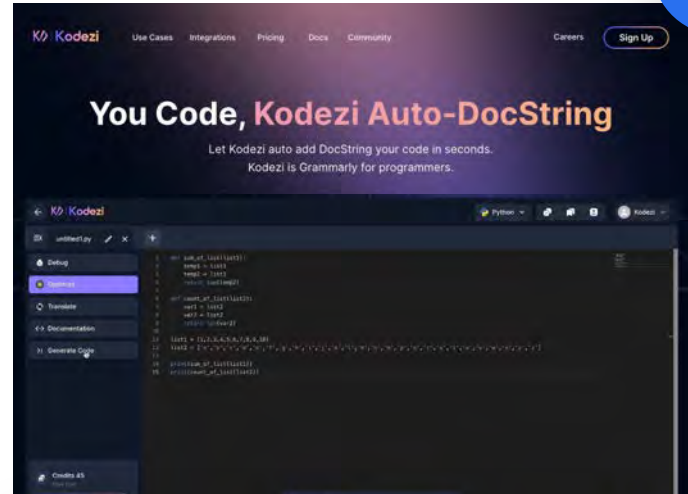
Writing / Coding

Content creation, Coding



<https://www.jasper.ai>

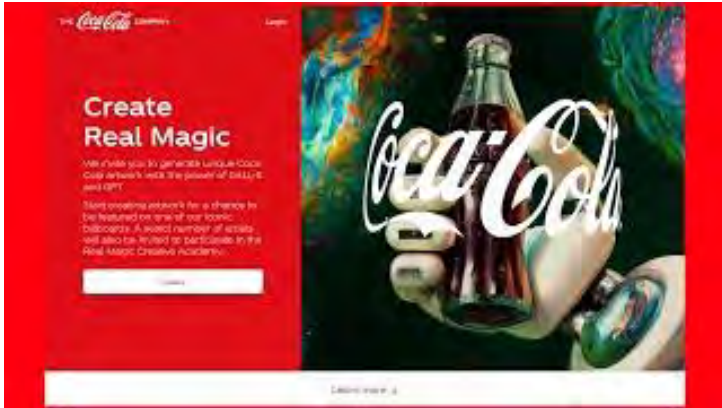
Kodezi
<https://kodezi.com/>



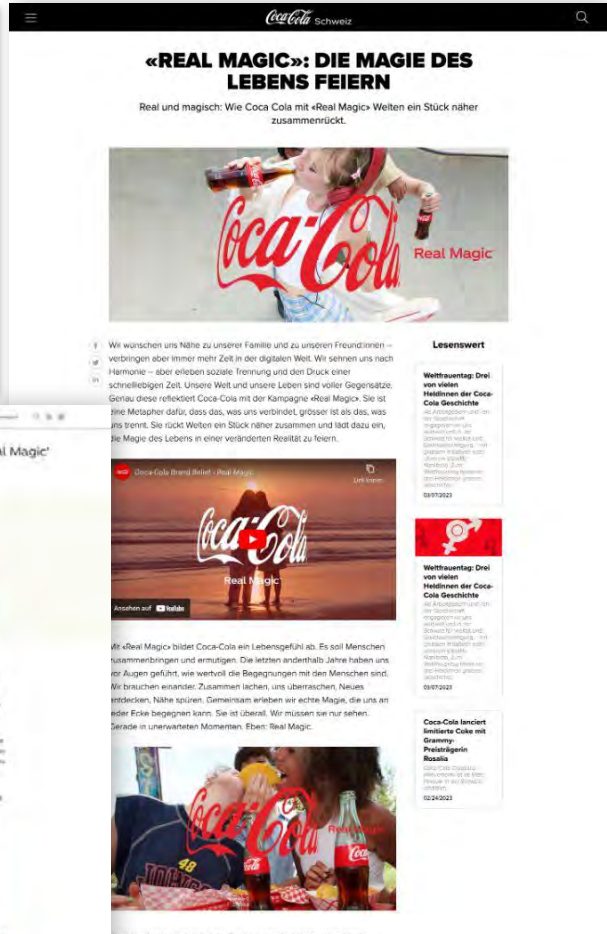
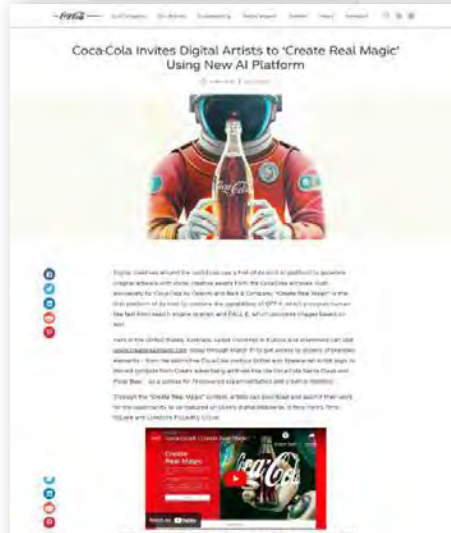
ChatGPT Code Python (Screenshot)

Branding/Campaigning

Coca Cola Campaign "real magic"



<https://www.coca-colacompany.com/news/coca-cola-invites-digital-artists-to-create-real-magic-using-new-ai-platform>



Architecture

e.g. of hotel experience by [Rory Flynn](#)



Create Prompt Formula.

Pop into ChatGPT and ask it to create a formula.

Prompt: I'm trying to build a prompt formula to systematize my prompting, do you think you can help me



Spa.

Write the overarching atmosphere of the Futuristic 5-Star Tukul Tree House Hotel's luxury spa rooms, where you combine a relaxing atmosphere with a futuristic design. Use a shallow depth of field and soft, ambient lighting to emphasize the natural textures and organic forms of the spa. Capture the serene and rejuvenating atmosphere of the spa, highlighting the use of natural materials and sustainable design. Apply a clean, sophisticated editing style to convey the hotel's commitment to both luxury and sustainability. Every setting should be designed for the guest's ultimate relaxation. -car 163 -v3



<https://www.linkedin.com/feed/update/urn:li:activity:7042896289713311744/>

Architecture

input/output

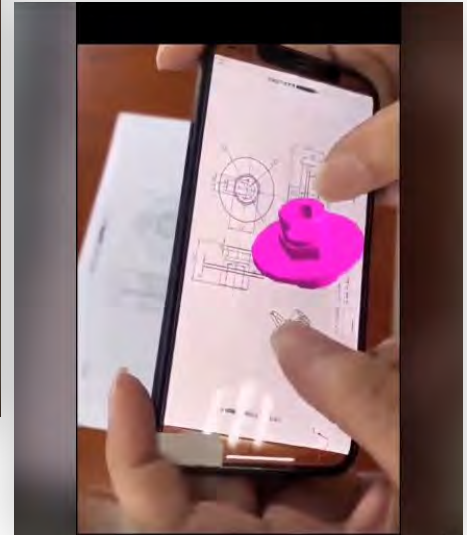
Mine
Craft



<https://www.youtube.com/watch?v=ThnAnva2RPY>



https://www.linkedin.com/posts/pascalbornet_ai-ai-tech-activity-7051082661104144384-q-ik?utm_source=s hare&utm_medium=member_desktop



2D-3D

Easily create 3d objects with NeRF (Neural Radiance Fields)



<https://www.youtube.com/watch?v=Juh79E8rdKc>

Instruct-NeRF2NeRF

Editing 3D Scenes with Instructions

Ayazn Haque Matthew Tarvik Alexei A. Efros Aleksander Holynski Anujoo Kanazawa

UC Berkeley



Paper



Code



Data

TL;DR: Instruct-NeRF2NeRF enables instruction-based editing of NeRFs via a 2D diffusion model



Overview

We propose a method for editing NeRF scenes with text-instructions. Given a NeRF of a scene and the collection of images used to reconstruct it, our method uses an image-conditioned diffusion model (OpenAI 2022b) to iteratively edit the input images while optimizing the underlying scene, resulting in an optimized 3D scene that respects the edit instruction. We demonstrate that our proposed method is able to edit large-scale, real-world scenes, and is able to accomplish more realistic, targeted edits than prior work.

How it works

Our method gradually updates a reconstructed NeRF scene by iteratively updating the dataset images while training the NeRF:

1. An image is rendered from the scene as a training viewpoint.
2. It is edited by InstructPix2Pix given a global text instruction.
3. The training dataset image is replaced with the edited image.
4. The NeRF continues training as usual.



InstructPix2Pix

"Turn the bear into a grizzly bear"
Text Prompt

Music

The screenshot shows the LALAL.AI website interface. At the top, there is a navigation bar with links for Products, Tools & API, Pricing, Help, About, and Blog. The main heading reads "Extract vocal, accompaniment and various instruments from any audio and video". Below this, it states "High-quality stem splitting based on the world's #1 AI-powered technology." A large yellow "Select Files" button is prominent. To the right, there is a section titled "Choose or drop up to 20 files here:" with a "Vocal and Instrumental" dropdown menu. Below the main content, there is a section titled "Check the quality for yourself" which displays three audio waveform samples: "Sample", "Instrumental", and "Vocal".

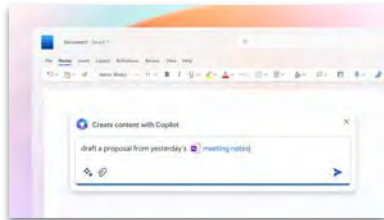
<https://www.lalal.ai/>

The screenshot shows the Melobytes website interface. The top navigation bar includes links for Home, About, Services, FAQ, Contact Us, and My Account. The main heading is "Apps to begin with". Below this, there are six app cards arranged in a 2x3 grid. The top row includes "Melobytes" (Customize your song), "AI Image / Video to Music" (Create audio from images), and "Melobytes AI song" (Create unique songs using AI). The bottom row includes "Rap" (Turn to rap song), "AI Image to Sound" (Visuals of audio experiences), and "Image to Music" (Convert any image or video into music).

<https://melobytes.com/en/>

AI Assistant

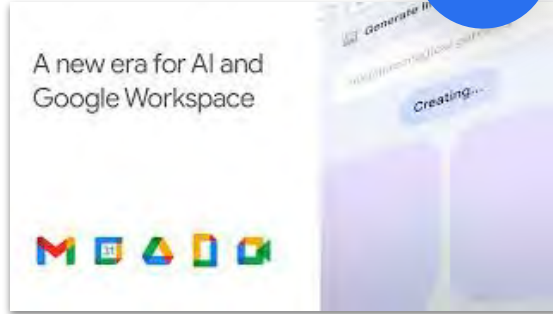
Microsoft / Google / Adobe



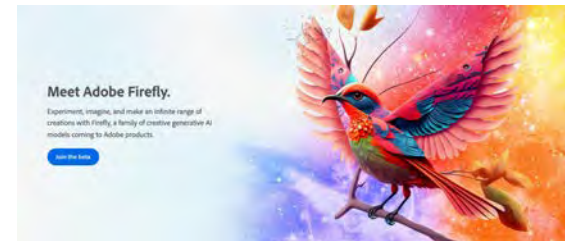
<https://designer.microsoft.com/>

<https://blogs.microsoft.com/blog/2023/03/16/introducing-microsoft-365-copilot-your-copilot-for-work/>

<https://www.theverge.com/2023/3/16/23642833/microsoft-365-ai-copilot-word-outlook-teams>



<https://www.theverge.com/2023/3/14/23639273/google-ai-features-docs-gmail-slides-sheets-workspace>

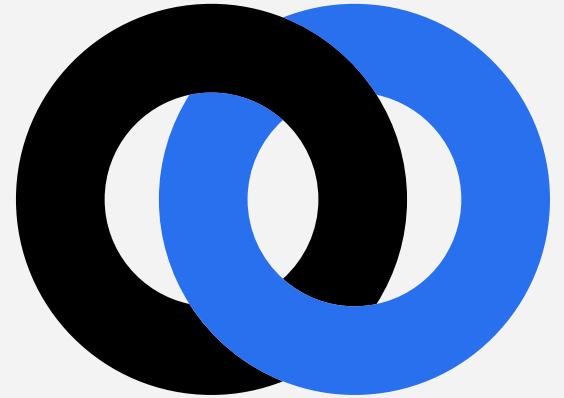


https://www.adobe.com/sensei/generative-ai/firefly.html?utm_campaign=muzli&utm_medium=click&utm_source=extension

https://www.youtube.com/watch?v=_sJfNMAQHv

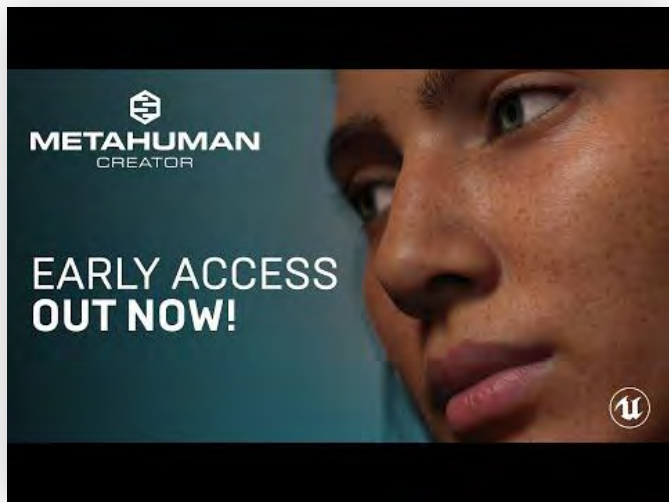
The humanity of AI

Mimicry, Likeness or beyond?



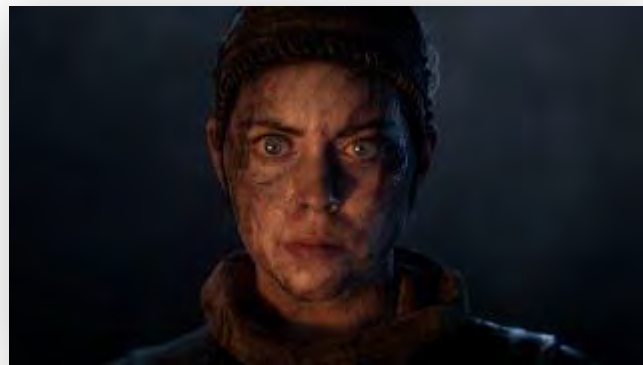
<https://www.youtube.com/watch?v=lx14o1gOhC4&t=30s>

MetaHuman



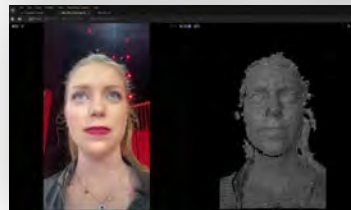
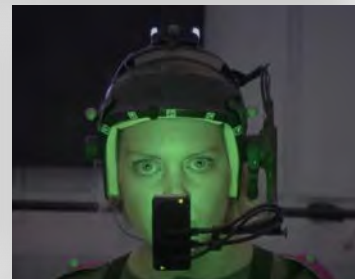
<https://www.unrealengine.com/en-US/metahuman>

<https://www.youtube.com/watch?v=OeUBATSJSrQ>



GDC 2023: MetaHuman Animator enables mo-cap on mobile

We're on the ground at GDC 2023, where we saw an impressive demo for MetaHuman Animator, a new motion capture technology using a mobile phone.



<https://dev.epicgames.com/community/learning/tutorials/d1qw/unreal-engine-ue5-android-ios-create-custom-metahuman-that-looks-like-you>

<https://www.theverge.com/2023/3/22/23648834/metahuman-animation-epic-state-of-unreal-gdc-2023>

Lalaland.ai

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LALALAND

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START YOUR FREE TRIAL →

<https://lalaland.ai>

01 CREATE

Create your 3D model using the AI...

Customize every individual avatar from hair color, to body shape and size, skin colour and more, to reflect the audience you want to reach. Pick, select from a range of poses, emotions, and other features to really animate the digital stage. Inspired by real people, generated with AI.



Computer-generated Models

KI's Next Topmodel

Models, nicht im Schnellriss entdeckt, sondern mit künstlicher Intelligenz designed – ist das die Zukunft der Modebranche? Jeanshersteller Levi's wills ausprobieren.

LEVI STRAUSS & CO.

Who We Are Sustainability in Action Living Our Values News Investors Work With Us

Innovation LS&Co. Partners with Lalaland.ai

Untagged Staff

Share Levi Strauss & Co

Editor's Note, March 28, 2023

Our recent announcement of a partnership with Lalaland.ai did not properly

Should ~~Designers~~ Humans be afraid of AI?

Well...



We are only humans ...



1832



3/1964



4/1978



9/2016

3. Quartal / 2022



Human Hubris

Limits of single
human minds ...



Pareto Principle Hypothesis

Impact on Creativity (text, music, images, code ...)

80 : 20 + 1

AI will take over

For 80% of the status quo standard tasks, automatised AI will take over in the next 5-10 years, completely, better, faster, more efficient

AI will co-create

20% well trained creatives will create high level content in co-creation with AI.

The one outstanding idea

Hopefully the 1 out 100 innovativ, revolutionary, outstanding creative idea will be pure human.



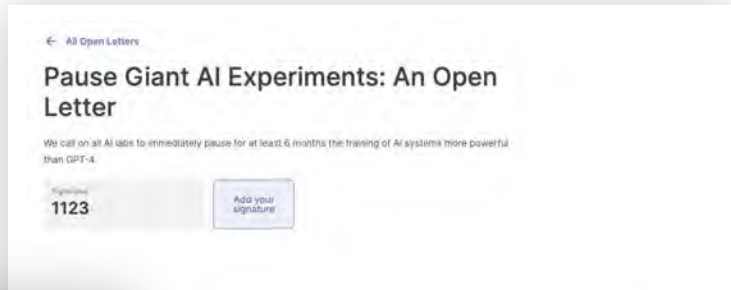
As soon as you repeat your idea – AI can detect a pattern, label it – you fall back to ZERO!

«**With great power
comes great
responsibility.**»

Uncle Ben
Spiderman.

Pause Giant AI Experiments: An Open Letter

We call on all AI labs to immediately pause for at least 6 months the training of AI systems more powerful than GPT-4.



- Signatories**
- Yoshua Bengio**, Founder and Scientific Director at Mila, Turing Prize winner and professor at University of Montreal
 - Stuart Russell**, Berkeley, Professor of Computer Science, director of the Center for Intelligent Systems, and co-author of the standard textbook "Artificial Intelligence: A Modern Approach"
 - Elon Musk**, CEO of SpaceX, Tesla & Twitter
 - Steve Wozniak**, Co-founder, Apple
 - Yuval Noah Harari**, Author and Professor, Hebrew University of Jerusalem.
 - Andrew Yang**, Forward Party, Co-Chair, Presidential Candidate 2020, NYT Bestselling Author, Presidential Ambassador of Global Entrepreneurship
 - Connor Leahy**, CEO, Conjecture
 - Jaan Tallin**, Co-Founder of Skype, Centre for the Study of Existential Risk, Future of Life Institute
 - Evan Sharp**, Co-Founder, Pinterest
 - Chris Larsen**, Co-Founder, Ripple
 - Emad Mostaque**, CEO, Stability AI
 - Valerie Pisano**, President & CEO, MILA
 - John J. Huganir**, Princeton University, Professor Emeritus, inventor of associative neural networks
 - Rachel Bronson**, President, Bulletin of the Atomic Scientists
 - Max Tegmark**, MIT Center for Artificial Intelligence & Fundamental Interactions, Professor of Physics, president of Future of Life Institute
 - Anthony Aguirre**, University of California, Santa Cruz, Executive Director of Future of Life Institute, Professor of Physics
 - Victoria Kravova**, DeepMind, Research Scientist, co-founder of Future of Life Institute
 - Emilia Jansky**, Physician-Scientist & Director, Future of Life Institute
 - Sean O'Haganraigh**, Executive Director, Cambridge Centre for the Study of Existential Risk
 - Tristan Harris**, Executive Director, Center for Humane Technology
 - Marc Rotenberg**, Center for AI and Digital Policy, President
 - Nico Maibohm**, The Future Society (TFS), Founder and President
 - Zachary Kenton**, DeepMind, Senior Research Scientist
 - Ramana Kumar**, DeepMind, Research Scientist
 - Gary Marcus**, New York University, AI researcher, Professor Emeritus
 - Steve Omohundro**, Beneficial AI Research, CEO

AI systems with human-competitive intelligence can pose profound risks to society and humanity, as shown by extensive research^[1] and acknowledged by top AI labs.^[2] As stated in the widely-endorsed Asilomar AI Principles, *Advanced AI could represent a profound change in the history of life on Earth, and should be planned for and managed with commensurate care and resources.* Unfortunately, this level of planning and management is not happening, even though recent months have seen AI labs locked in an out-of-control race to develop and deploy ever more powerful digital minds that no one – not even their creators – can understand, predict, or reliably control.

Contemporary AI systems are now becoming human-competitive at general tasks^[3] and we must ask ourselves: *Should we let machines flood our information channels with propaganda and untruth? Should we automate away all the jobs, including the fulfilling ones? Should we develop nonhuman minds that might eventually outnumber, outsmart, obsolete and replace us? Should we risk loss of control of our civilization? Such decisions must not be delegated to unelected tech leaders. Powerful AI systems should be developed only once we are confident that their effects will be positive and their risks will be manageable.* This confidence must be well justified and increase with the magnitude of a system's potential effects. OpenAI's recent statement regarding artificial general intelligence, states that "At some point, it may be important to get independent review before starting to train future systems, and for the most advanced efforts to agree to limit the rate of growth of compute used for creating new models." We agree. That point is now.

Therefore, we call on all AI labs to immediately pause for at least 6 months the training of AI systems more powerful than GPT-4. This pause should be public and verifiable, and include all key actors. If such a pause cannot be enacted quickly, governments should step in and institute a moratorium.

AI labs and independent experts should use this pause to jointly develop and implement a set of shared safety protocols for advanced AI design and development that are rigorously justified and overseen by independent outside experts. These protocols should ensure that systems adhering to them are safe beyond a reasonable doubt.^[4] This does not mean a pause on AI development in general, merely a stepping back from the dangerous race to ever-larger unpredictable black-box models with emergent capabilities.

AI research and development should be refocused on making today's powerful, state-of-the-art systems more accurate, safe, interpretable, transparent, robust, aligned, trustworthy, and loyal.

In parallel, AI developers must work with policymakers to dramatically accelerate development of robust AI governance systems. These should at a minimum include: new and capable regulatory authorities dedicated to AI; oversight and tracking of highly capable AI systems and large pools of computational capacity; provenance and watermarking systems to help distinguish real from synthetic and to track model leaks; a robust auditing and certification ecosystem; liability for AI-caused harm; robust public funding for technical AI safety research; and well-resourced institutions for coping with the dramatic economic and political disruptions (especially to democracy) that AI will cause.

Humanity can enjoy a flourishing future with AI. Having succeeded in creating powerful AI systems, we can now enjoy an "AI summer" in which we reap the rewards, engineer these systems for the clear benefit of all, and give society a chance to adapt. Society has hit a pause on other technologies with potentially catastrophic effects on society.^[5] We can do so here. Let's enjoy a long AI summer, not rush unprepared into a fall.

Trust & Truth - Funny?

AI image of Pope Francis in a puffer jacket fooled the internet and experts fear there's worse to come

Viral images created by artificial intelligence have already fooled millions on Twitter – and it could soon be even harder to distinguish truth from reality



An AI-generated image of Pope Francis went viral on social media



<https://inews.co.uk/news/technology/ai-image-pope-francis-puffer-jacket-coat-fooled-internet-experts-fear-theres-worse-come-2234247>



Trust & Truth - still funny ...?



<https://twitter.com/EliotHiggins/status/163792768173498777?s=20>

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Trending
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#WelcomeBallGuy
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35.4K Tweets
Politics · Trending
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[Bild-Artikel](#)

SPEKTAKULÄRE BILDER, ABER (NOCHT) UNWAHR
Künstliche Intelligenz zeigt mögliche Trump-Verhaftung
Realer Hintergrund: Ex-US-Präsident droht beste Anklage in Schweigepflicht-Affäre am Pentagon

Thread

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Trust & Truth - Funny?

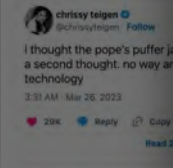
AI image of Pope Francis in a puffer jacket fooled the internet and experts fear there's worse to come

Viral images created by artificial intelligence have already fooled millions on Twitter - and it could soon be even harder to distinguish truth from reality



An AI-generated image of Pope Francis wearing what he said on social media

<https://inews.co.uk/news/technology/ai-image-pope-francis-puffer-jacket-coat-fooled-internet-experts-fear-theres-worse-come-2234247>



Cardano \$0.395076 3.50% Dogecoin \$0.074744 -0.81% Polygon \$1.084 -2.84% Solana \$20.34 -1.69% Polkadot \$6.19 0.4%

News • Artificial Intelligence

Midjourney Kills Free AI Image Generator Access After Explosion of Deep Fakes

Say goodbye to popes in puffer coats: The popular text-to-image platform is hitting pause to combat deep fakes.

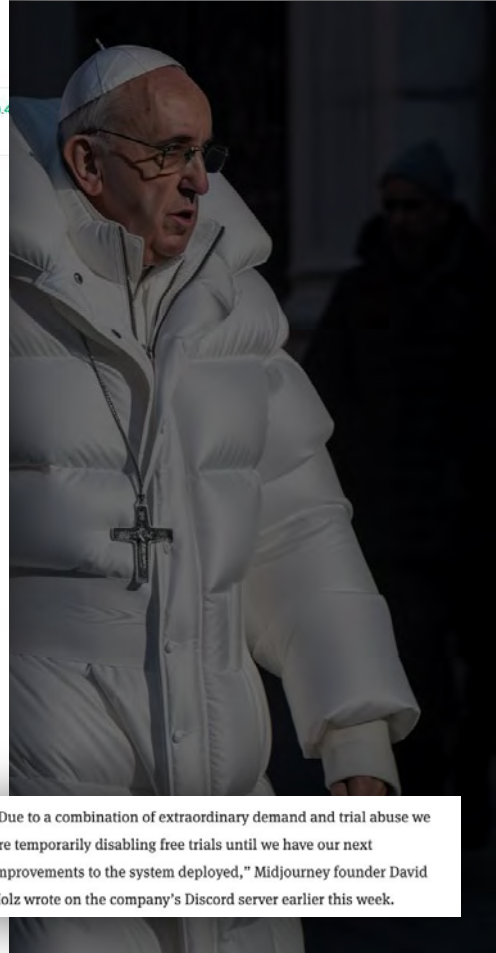
By Jason Nelson

Mar 30, 2023

2 min read



Image: Guerrero Art (Pablo Xavier)



"Due to a combination of extraordinary demand and trial abuse we are temporarily disabling free trials until we have our next improvements to the system deployed," Midjourney founder David Holz wrote on the company's Discord server earlier this week.

Trust & Truth – Funny?

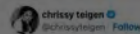
AI image of Pope Francis in a puffer jacket fooled the internet and experts fear there's worse to come

Viral images created by artificial intelligence have already fooled millions on Twitter – and it could soon be even harder to distinguish truth from reality



An AI-generated image of Pope Francis wearing what can be described as a puffer jacket.

<https://inews.co.uk/news/technology/ai-image-pope-francis-puffer-jacket-coat-fooled-internet-experts-fear-theres-worse-come-2234247>



christy teigen
@christysteigen Follow

I thought the pope's puffer jacket was real and didn't get a second thought. no way am I surviving the future of technology

3:31 AM · Mar 26, 2023

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A.I. and Chatbots > Become an A.I. Expert How Chatbots Work Why Chatbots 'Hallucinate' Testing Google Bard A Guide to GPT-4

ChatGPT Is Banned in Italy Over Privacy Concerns

The action by Italy's data protection agency is the first known instance of the chatbot's being blocked by a government order.

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Italy's data protection authority said OpenAI unlawfully collected personal data from users and did not have an age-verification system in place to prevent minors from being exposed to illicit material. *Susan Wright for The New York Times*

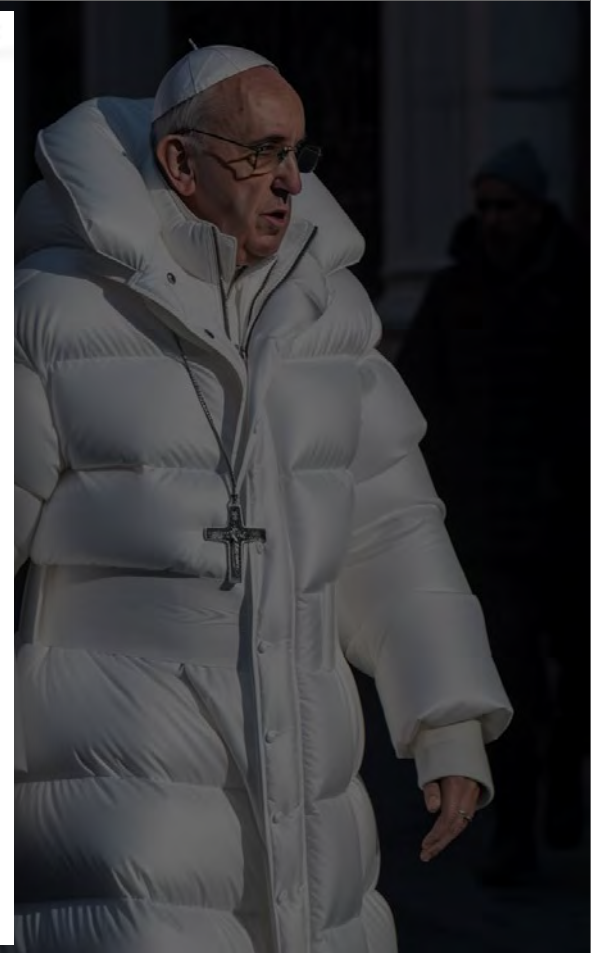
By Adam Satariano

March 31, 2023

The artificial intelligence tool ChatGPT was temporarily banned in Italy on Friday, the first known instance of the chatbot being blocked by a government order.

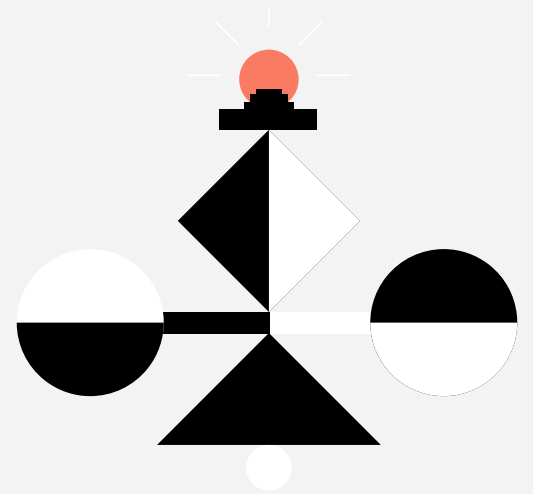
Italy's data protection authority said OpenAI, the California company that makes ChatGPT, unlawfully collected personal data from users and did not have an age-verification system in place to prevent minors from being exposed to illicit material.

Italy is the first government to ban ChatGPT as a result of privacy concerns. In China, North Korea, Russia and Iran, the service is



Trust & Truth

AI Strategy is needed



«as **generative AI is becoming a commodity**, it is clear that the problem is migrating from how to create to what to create. In other words **what strategy is needed to stand out in a sea of AI outputs.**»



[Salmane Saadani](#)

Chief Product Officer Storyroom

Using AI to turn Data into Communication
& Branding Strategy

Contradiction or Addition

Either one or the other vs. Together for the better

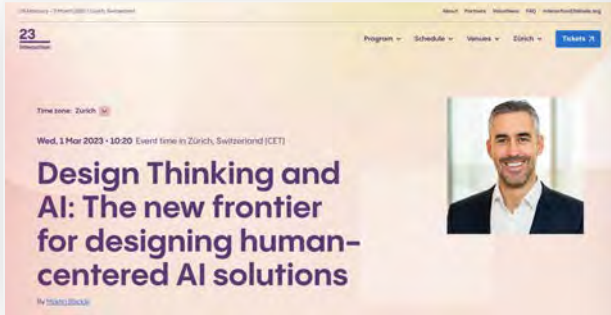
**AI –
centered
Design**

TRUST

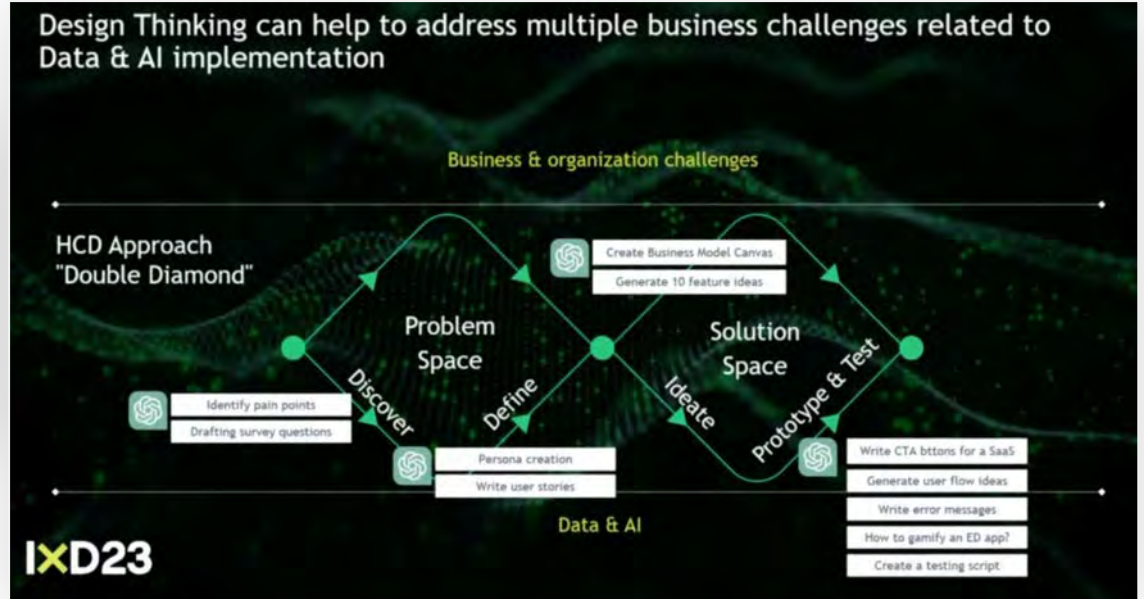
**Human –
centered
Design**

AI & Design Thinking:

Implement AI as a trustful co-creator into processes

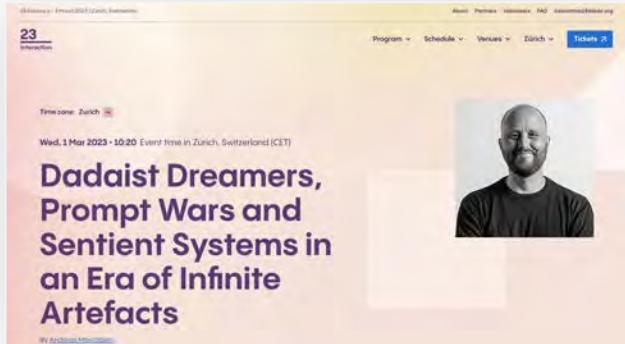


<https://interaction23.ixda.org/sessions/design-thinking-and-ai-the-new-frontier-for-designing-human-centered-ai-solutions>



AI & Emotions in Design:

If everything is data driven, how to embrace the magic



<https://interaction23.ixda.org/sessions/dadaist-dreamers-prompt-wars-and-sentient-systems-in-an-era-of-infinite-artefacts>



Anyway
- It's ~~doom~~ dawn!

Don't be scared, be creative!

... or funny, or dummy



Dennis Eastwood

@harvey0815

#Creativity & **#Humor** & **#Stupidity** will forge our trident of human resistance to **#AI!**

<https://twitter.com/harvey0815/status/1639297637508579328>

... or curious!



Thank You!

Let's stay in touch:

*An idea not shared,
is a opportunity missed.*



Dennis Oswald
dennis@netgen.io
+41 44 244 59 58

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Netgen.
SWITZERLAND

Netgen Switzerland AG
Seestrasse 383
CH-8038 Zürich
www.netgen.io