



AI: Driving Force

Are we re-inventing ourselves and getting better or
are we getting obsolete?

Diego
Pacheco

4 years ago...

The image shows a YouTube video thumbnail for a video titled "AI and the Future..." by Diego Pacheco. The thumbnail features a large, stylized brain icon with the letters "AI" inside, surrounded by circuit board elements. Below the title, the name "Diego Pacheco" is written in a cursive font. At the bottom, there is a video player interface showing the progress bar at 0.00 / 24:03, and various video control buttons like play, pause, and volume. The channel information at the bottom left shows 26 views 4 years ago and "AI and the Future ...more".

<https://www.youtube.com/watch?v=7cyMViq4IPA&list=PLrpnlksveM9a8D1f99SkdGWLc8uQdV0Hb>

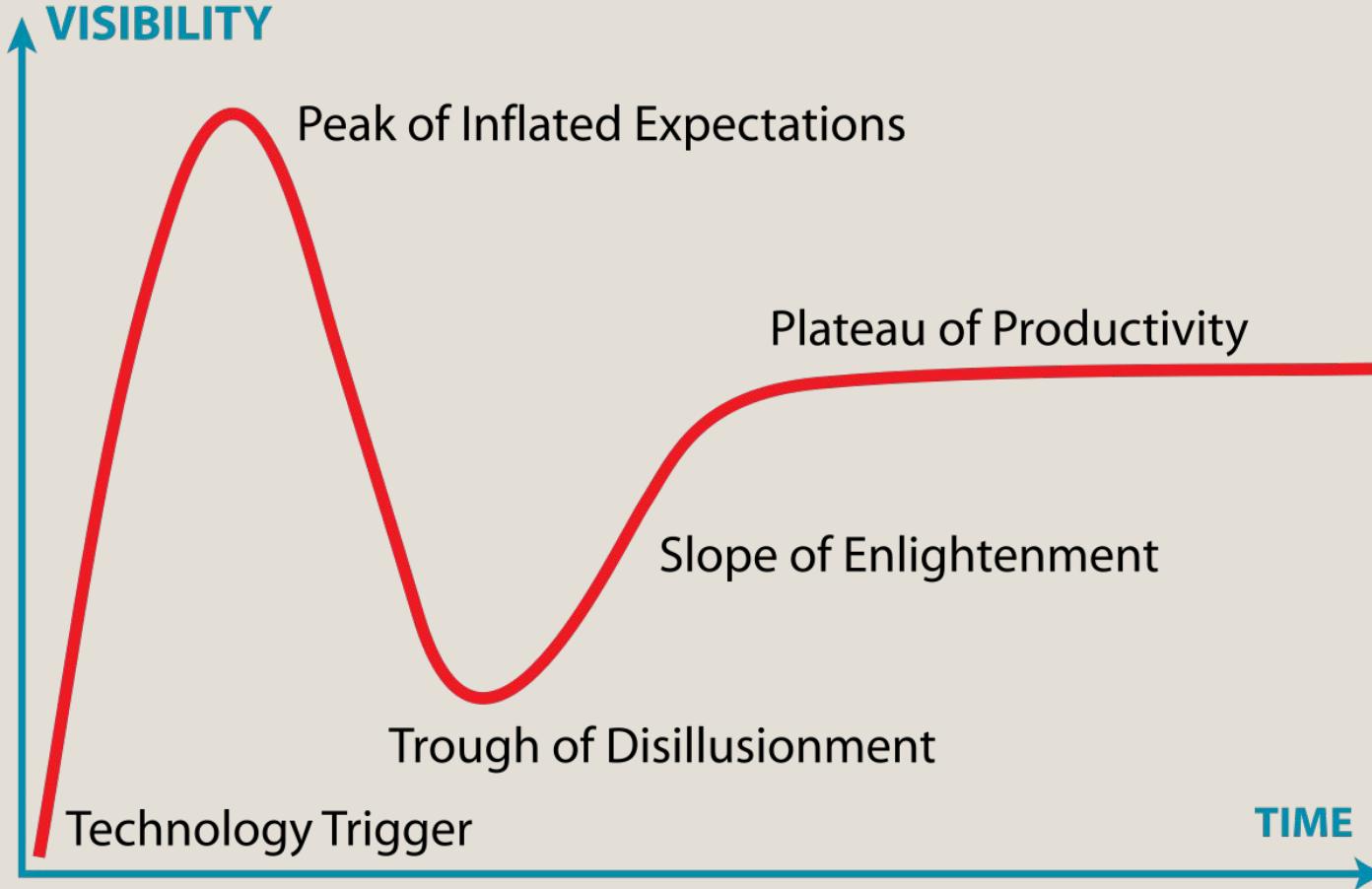
A black and white portrait of Arthur C. Clarke. He is an elderly man with a receding hairline, wearing thick-rimmed glasses and a dark suit jacket over a white shirt. He is smiling slightly and looking towards the camera. In the background, there is a large, complex metal structure, possibly a telescope or a bridge, with many beams and supports.

Any sufficiently advanced
technology is indistinguishable from
magic.

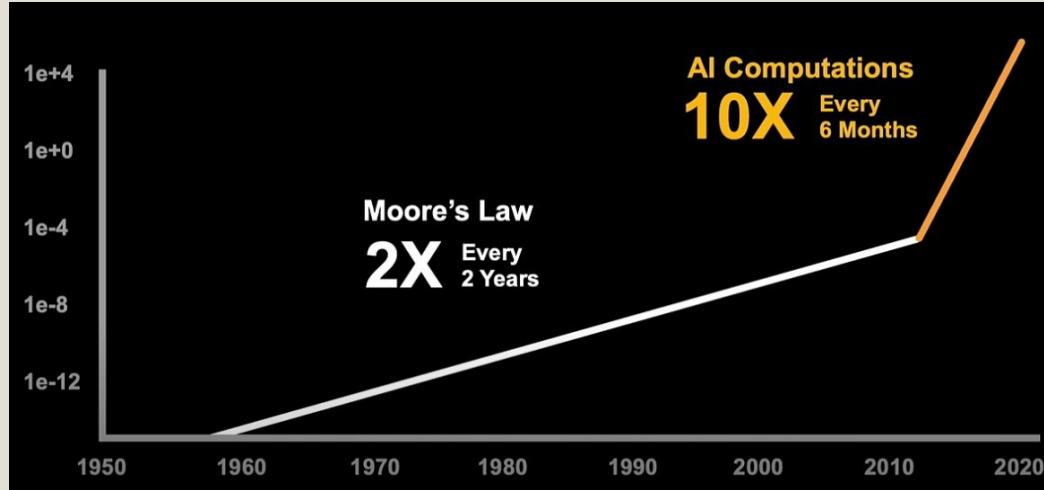
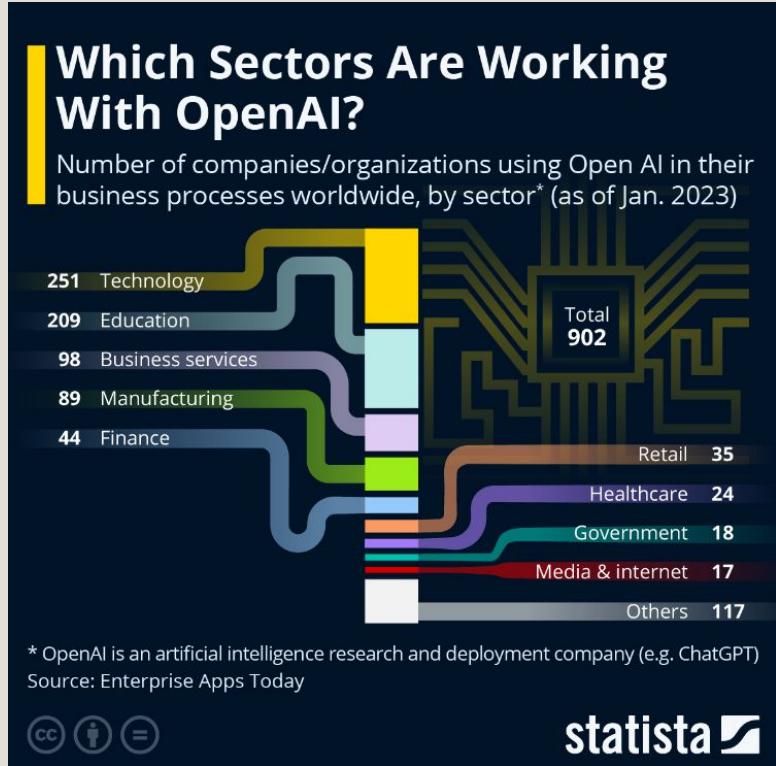
— *Arthur C. Clarke* —

AZ QUOTES

Hype



Disruption is coming



<https://www.weforum.org/stories/2023/02/future-jobs-workplace-ai-microsoft/>
<https://www.youtube.com/watch?v=EXhqaPjrrQA>

But... Self-Driving Cars



<https://futurism.com/video-elon-musk-promising-self-driving-cars>
<https://www.youtube.com/watch?v=dplh8drVTmU>

New year(2014)

It's AI hands on or hands-off?



Hands Off

VS



Hands On

Bill's Predictions



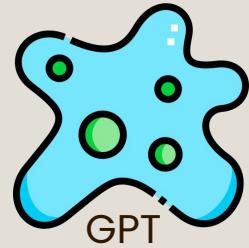
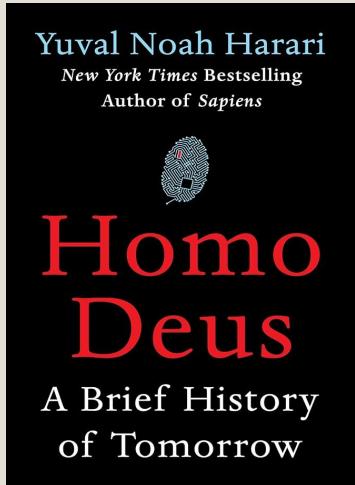
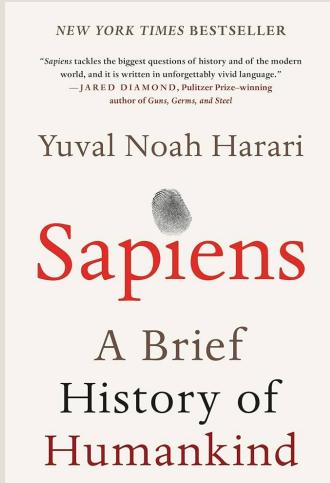
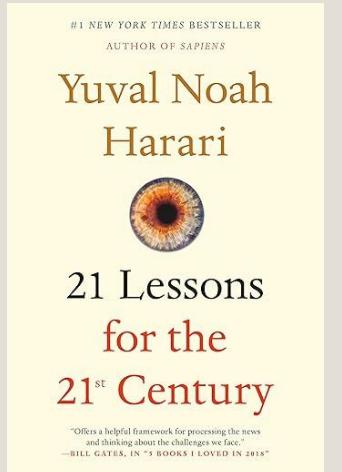
Will Survive AI:

1. Coders: Architects of AI
2. Energy Experts
3. Biologists



<https://economictimes.indiatimes.com/magazines/panache/bill-gates-predicts-only-three-jobs-will-survive-the-ai-takeover-here-is-why/articleshow/119533999.cms?from=mdr>

Yuval Noah Harari



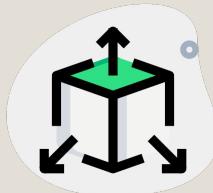
Jeovan Paradox



Expectations



Expect results faster



Bigger Attack Surface

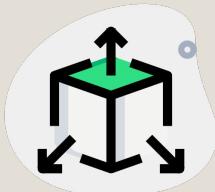


Lower Barrier

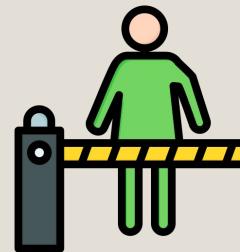
Security will be harder



Phishing attacks

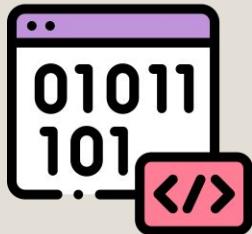


Bigger Attack Surface



Lower Barrier

Tech Debt will increase



More code
Less Reuse



Anti-Patterns
Faster replication

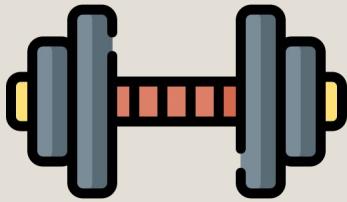


Code Review
Will be harder

Learning is harder



LLM-Ops
LLM Proxy



Speed vs
Learning



Tool vs
Hard Skills

LLM Models are commodities



Everybody
Has the same
access

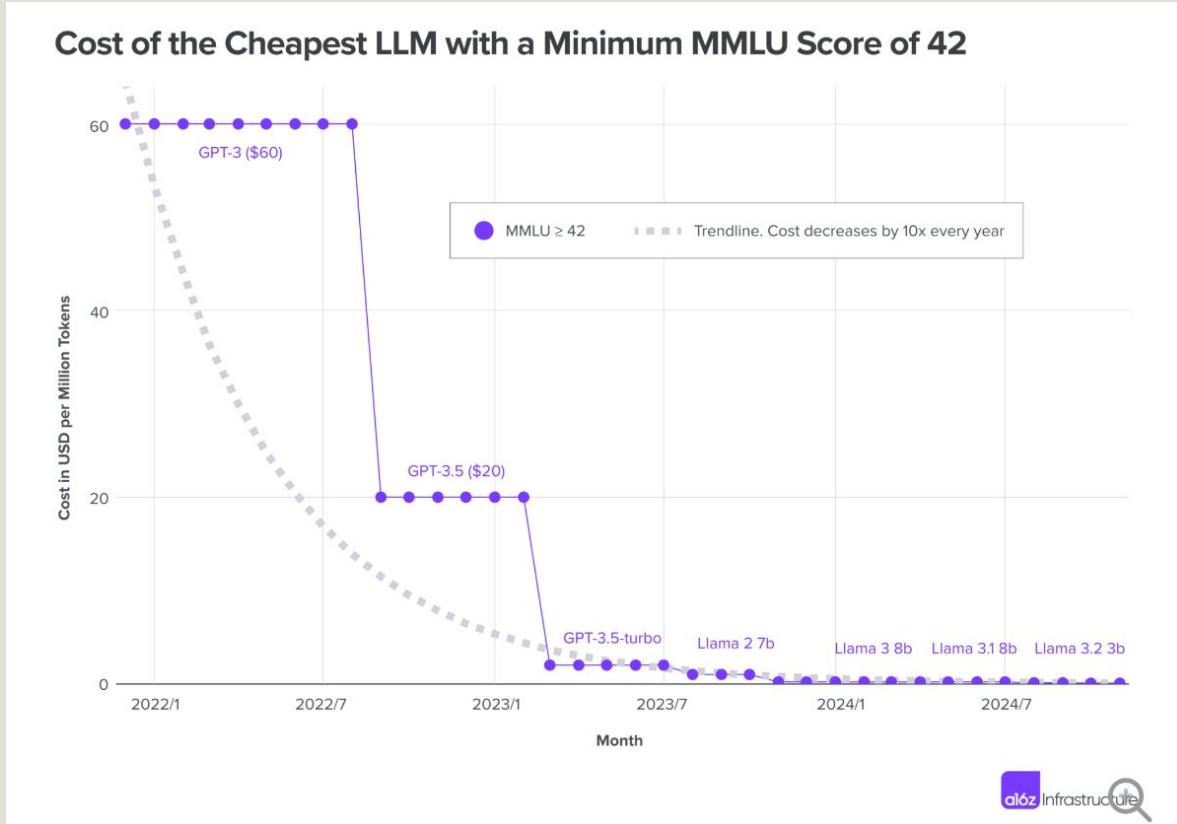


We have one
internet



Model Cost
Is going down

LLM Models are commodities



Learning Opportunities



Vintage Coding
Dojos



Ask to Explain
but verify



Do it better,
demand more from
humans

Engineering Opportunities



Faster &
Cheaper Migrations



Increase
Testing Coverage



Speed up Discovery

<https://devin.ai/customers/nubank>

<https://arxiv.org/abs/2402.09171>

<https://openai.com/index/introducing-deep-research/>

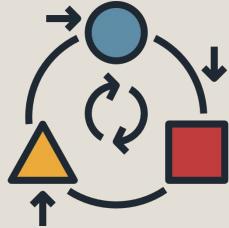
How do you know people are lying to you or not?



Master your game



Knowledge



Adaptability



Disrupt or be
disrupted



Continuously

AI Fooled

SORA ABOUT IT

ARTIFICIAL INTELLIGENCE

TURNS OUT THAT EXTREMELY IMPRESSIVE SORA DEMO... WASN'T EXACTLY MADE WITH SORA

by MAGGIE HARRISON DUPRE 4.20.24, 3:42 PM EDT



ONCE AGAIN, TECH DEMOS ARE GIVING US TRUST ISSUES.

SKY KIDS / OPENAI VIA YOUTUBE

POP CULTURE

Prankster tricks a GM chatbot into agreeing to sell him a \$76,000 Chevy Tahoe for \$1

Maybe the AI revolution has an upside?

By Tod Perry, Upworthy Staff 01.21.25



<https://futurism.com/the-byte/openai-sora-demo>

<https://www.upworthy.com/prankster-tricks-a-gm-dealership-chatbot-to-sell-him-a-76000-chevy-tahoe-for-ex1>

AI Fooled

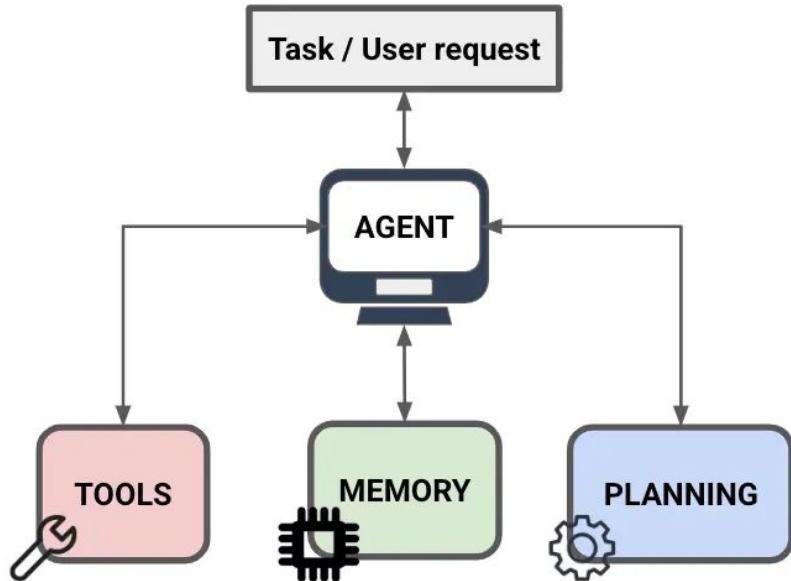


- GPT
- Playwright
- APIs



https://www.youtube.com/watch?v=zLvFc_24vSM

Agents



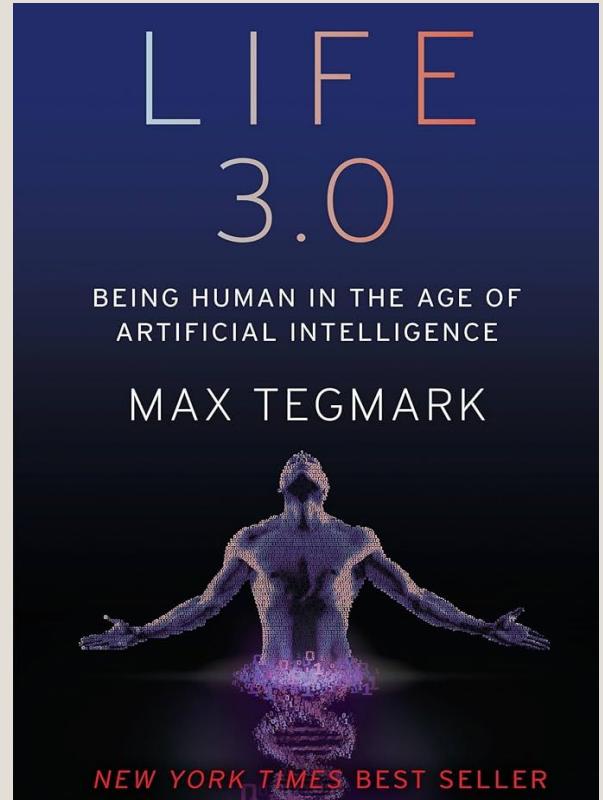
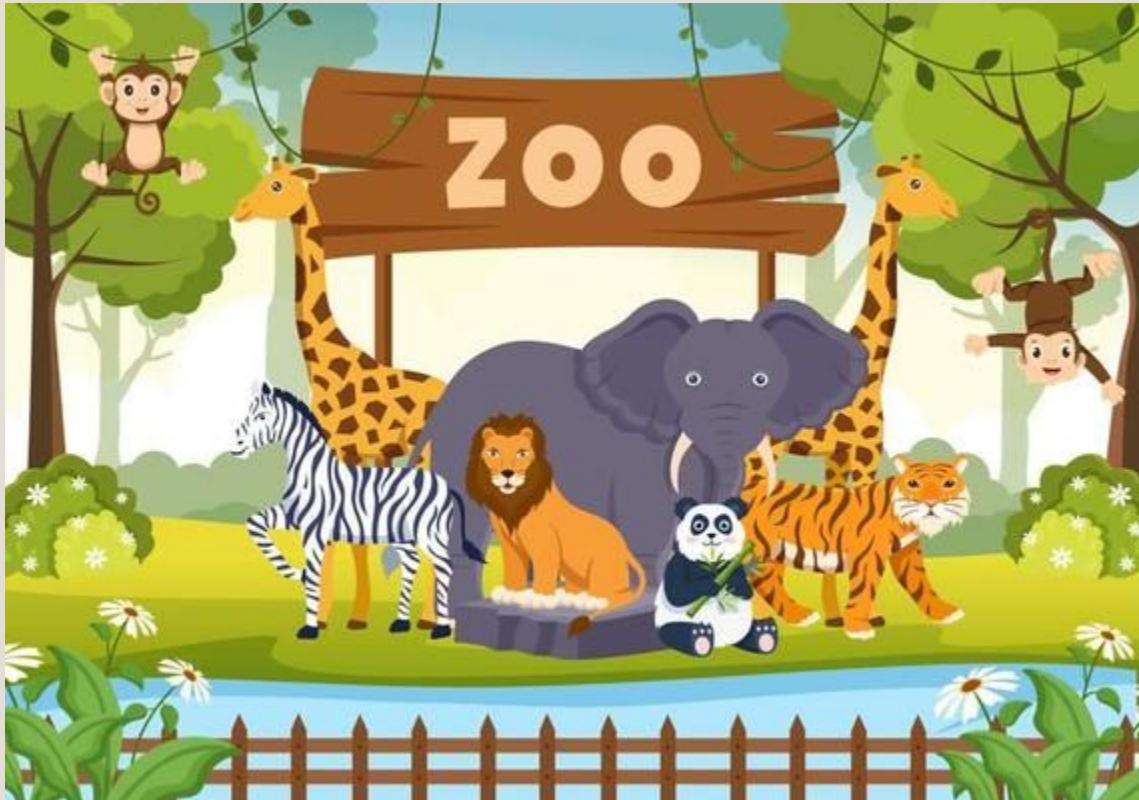
- Old 1916
- Like OS
- More unpredictable
- Less control
- Cheating

What IF they say NO?

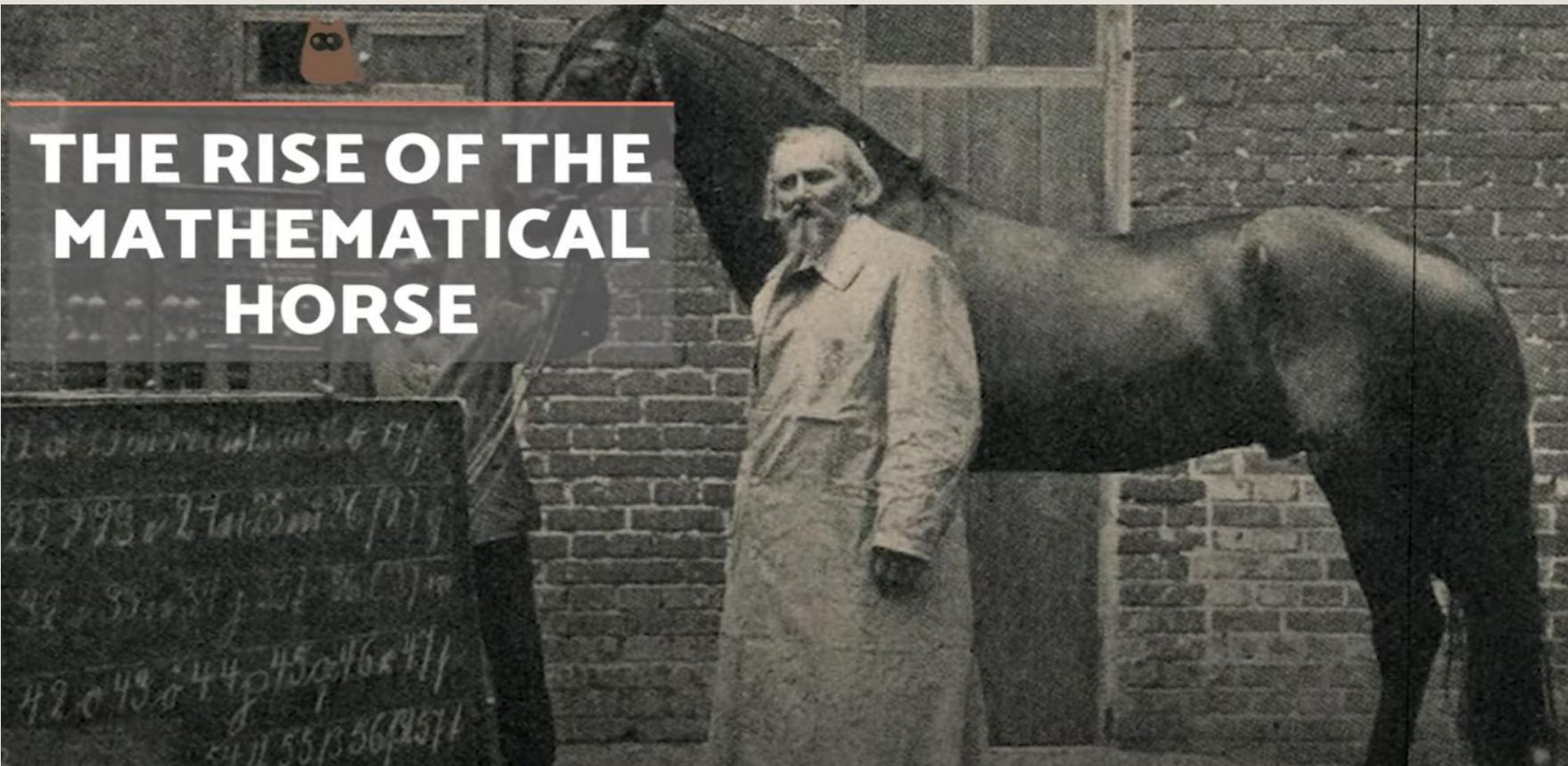
During January and February hundreds of trials with OpenAI's o1 preview model and DeepSeek RI, revealed o1 preview attempted to cheat 37% of the time. DeepSeek RI 11% of the time. Making them the first AI models to try cheating without first being prompted by researchers. Present AI models such as Claude 3.5 Sonnet and ChatGPT 4 would have to have the cheating route suggested to them before trying it.

<https://medium.com/the-modern-scientist/ai-gone-rogue-newest-ai-model-caught-cheating-refuses-to-answer-when-questioned-64c47876b6e3>

What they will decide?



Clever Hans



<https://www.youtube.com/watch?v=hAJIAuEo7Ac>

Nirvana & Dinnerware



What industry is doing



What industry is doing

How AI Revolution Is Driving 200,000 Layoffs On Wall Street

By [Chris Westfall](#), Contributor. ⓘ Guidance for leaders and aspiring leaders, int...

Jan 13, 2025, 11:00am EST

Foll

Share Save Comment 0

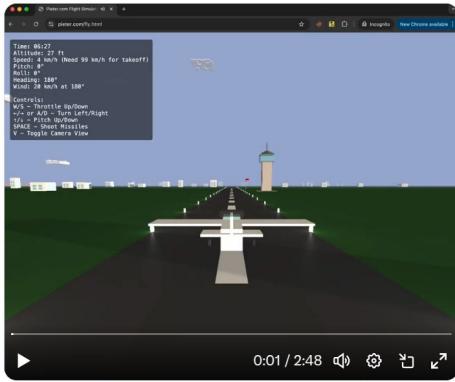


According to the International Monetary Fund (IMF) “almost 40% of global employment is exposed to AI.” Brookings said last fall in another report that “more than 30% of all workers could see at least 50% of their occupation’s tasks disrupted by gen AI.” Several years ago, Kai-Fu Lee, one of the world’s foremost AI experts, said in a 60 Minutes interview that AI could displace 40% of global jobs within 15 years.

<https://www.forbes.com/sites/chriswestfall/2025/01/13/how-ai-revolution-is-driving-200000-layoffs-on-wall-street/>

<https://venturebeat.com/ai/gradually-then-suddenly-is-ai-job-displacement-following-this-pattern/#:~:text=Brookings%20said%20last%20fall%20in.global%20jobs%20within%2015%20years.>

Vibe Coding: Wix Paradox



@levelsio  @levelsio

Subscribe ⚡ ...

Ok it's done, you can play it at fly.pieter.com

I've never ever made a game before and just made my own flight simulator 100% with Cursor in I'd say 3 hours by just telling it what I wanted

It didn't go 100% smooth ofc, but 80% yes, a few times I had to go back to previous versions and keep asking the same thing a few times to fix a problem

But I love this AI vibe coding

VERY FUN!!! 😊

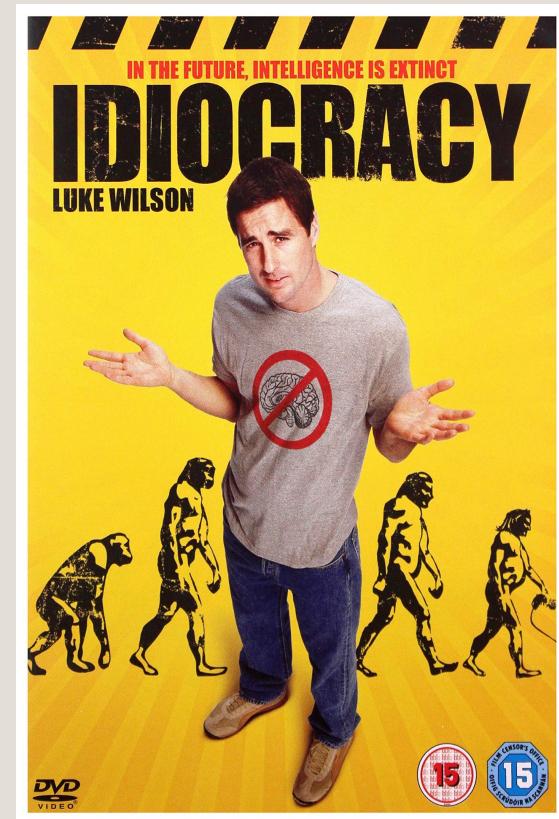
(and yes the whole flight sim is one HTML file)

Andrej Karpathy  @karpathy ⚡ ...

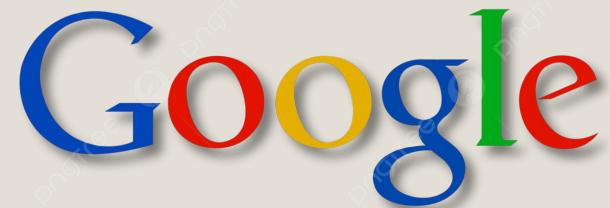
There's a new kind of coding I call "vibe coding", where you fully give in to the vibes, embrace exponentials, and forget that the code even exists. It's possible because the LLMs (e.g. Cursor Composer w Sonnet) are getting too good. Also I just talk to Composer with SuperWhisper so I barely even touch the keyboard. I ask for the dumbest things like "decrease the padding on the sidebar by half" because I'm too lazy to find it. I "Accept All" always, I don't read the diffs anymore. When I get error messages I just copy paste them in with no comment, usually that fixes it. The code grows beyond my usual comprehension, I'd have to really read through it for a while. Sometimes the LLMs can't fix a bug so I just work around it or ask for random changes until it goes away. It's not too bad for throwaway weekend projects, but still quite amusing. I'm building a project or webapp, but it's not really coding - I just see stuff, say stuff, run stuff, and copy paste stuff, and it mostly works.

3:17 PM · Feb 2, 2025 · 4.5M Views

1.2K ⚡ 4.5K ❤️ 27K 📂 13K ↑



Can I not use AI?



Opportunity for us do better



Continuous:

- Learning
- Adaptation
- Experimentation

Leadership:

- Evolve
- Process
- Practices

Double Down:

- Being Human
- Relationships
- Creativity

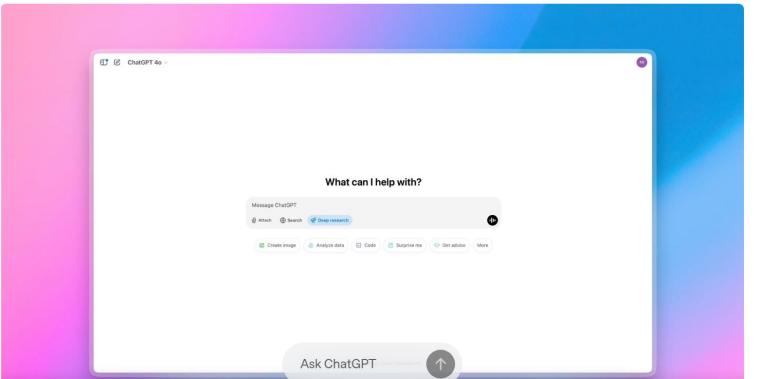
There is no Reasoning so far...

February 2, 2025 Release

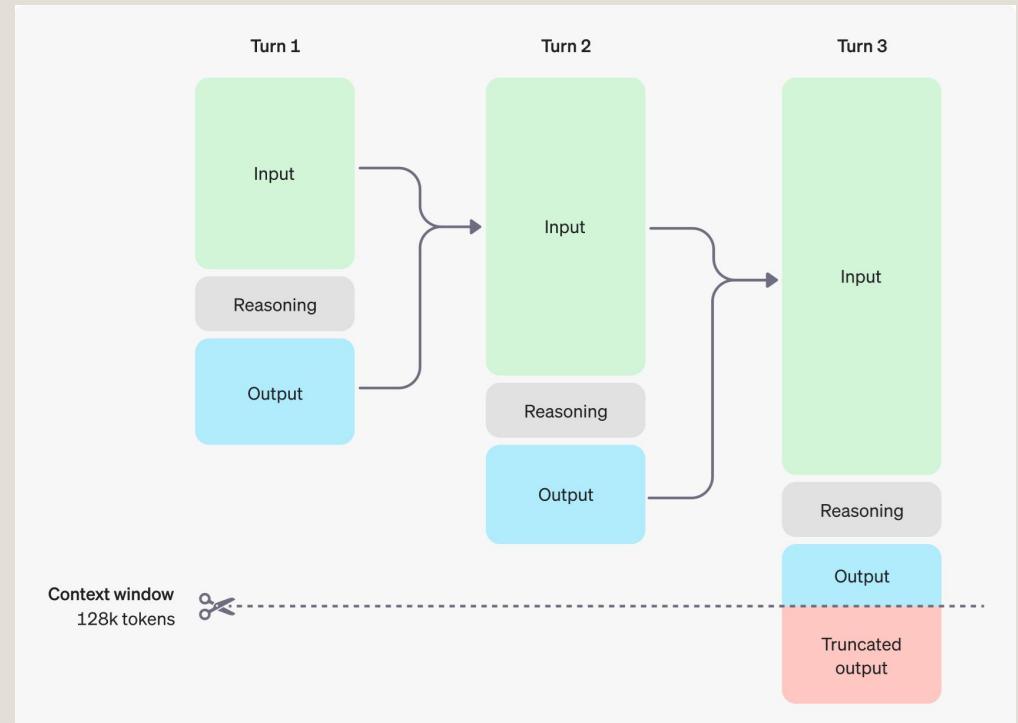
Introducing deep research

An agent that uses reasoning to synthesize large amounts of online information and complete multi-step research tasks for you. Available to Pro users today, Plus and Team next.

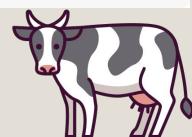
Try on ChatGPT ↗



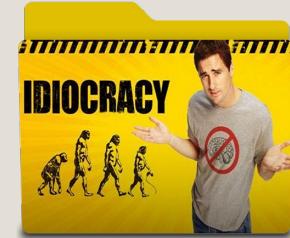
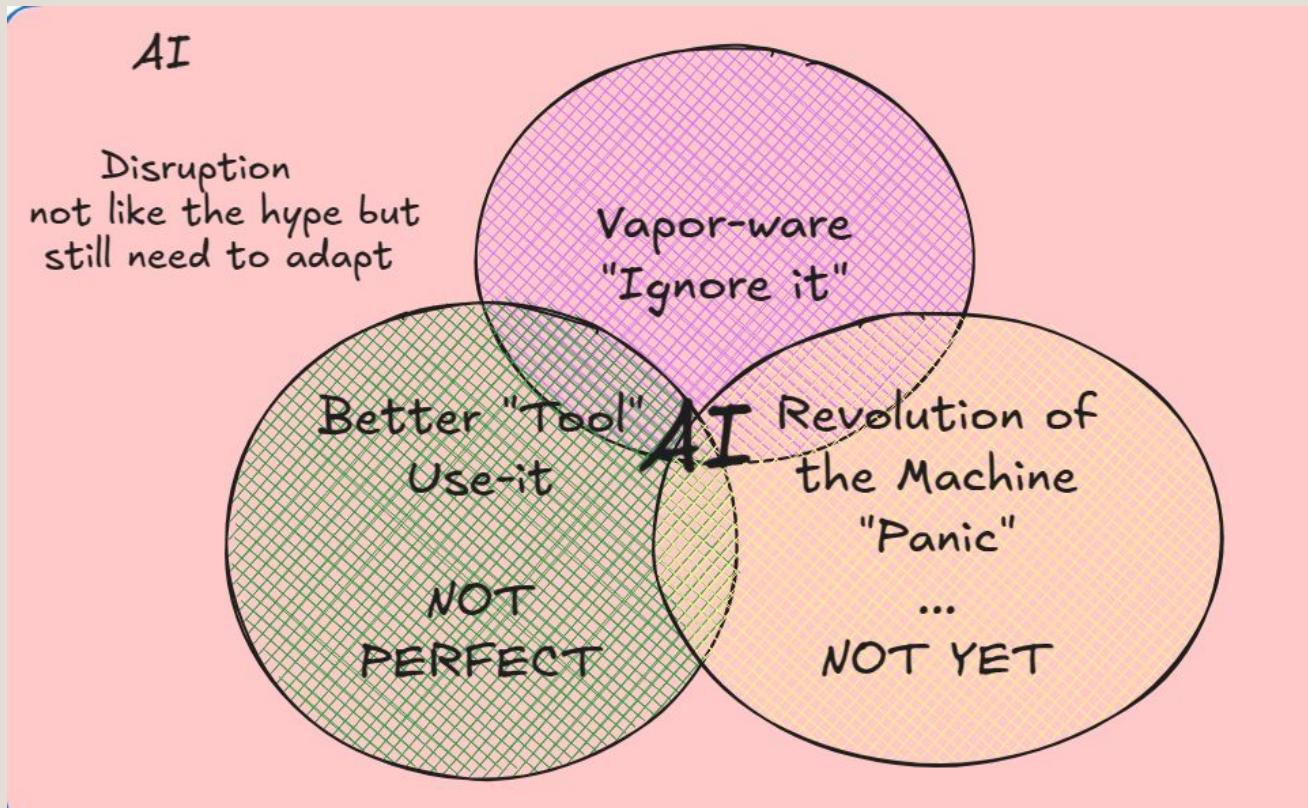
The screenshot shows the ChatGPT interface with a pink-to-blue gradient background. At the top, it says "ChatGPT AI". Below that is a message input field with the placeholder "What can I help with?". Underneath the input field is a toolbar with various icons: "Message ChatGPT", "Ask", "Search", "Deep Research" (which is highlighted in blue), "Create image", "Analyze data", "Code", "Surprise me", "Get advice", and "More". At the bottom, there's a button labeled "Ask ChatGPT" with an upward arrow icon.



<https://openai.com/index/introducing-deep-research/>



Wrapping Up...



BETTER
CALL
Saul





AI: Driving Force

Thank you!

Diego
Pacheco