



WELCOME  
TO THE AGE OF AI







Gent











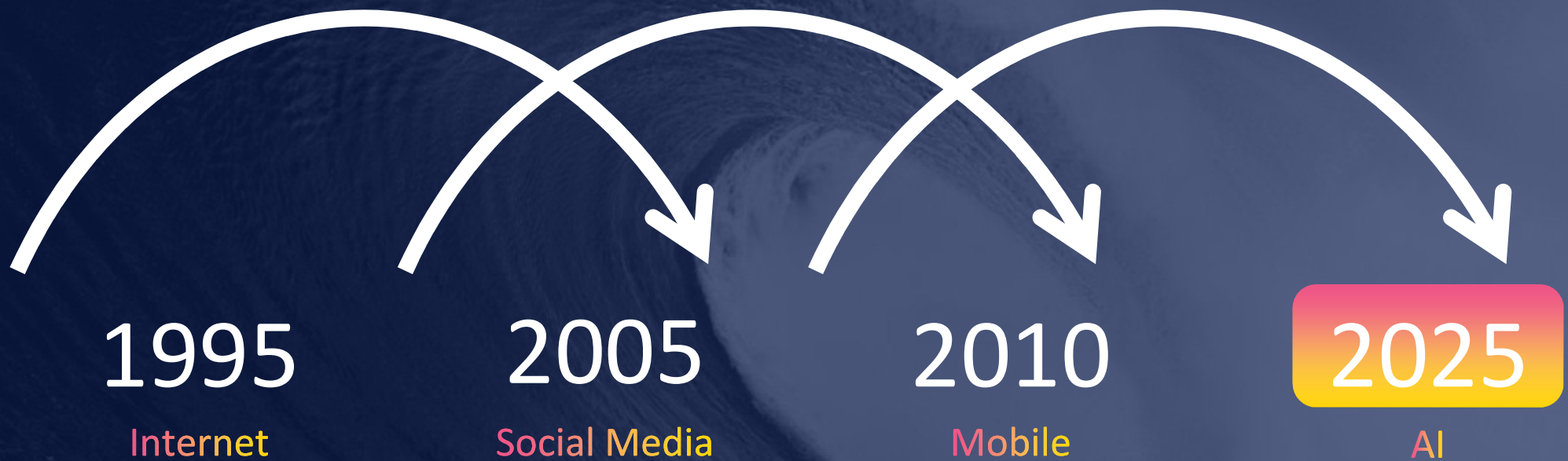








## AI AS THE NEXT WAVE OF DIGITAL INNOVATION









A child with dark hair, seen from behind, is sitting on a windowsill and looking out at a vast city skyline. The view is from a high vantage point, showing numerous skyscrapers and buildings under a blue sky with some clouds. The image has a blue tint.

“THE WORLD AS WE KNOW IT  
WILL BE UNRECOGNISABLE IN 10 YEARS”

GEN Z // GEN ALPHA



# 28 MONTHS

SINCE CHATGPT WAS LAUNCHED :-)



# TIME TO REACH 1 MILLION USERS

NETFLIX 3.5 YEARS

AIRBNB 2.5 YEARS

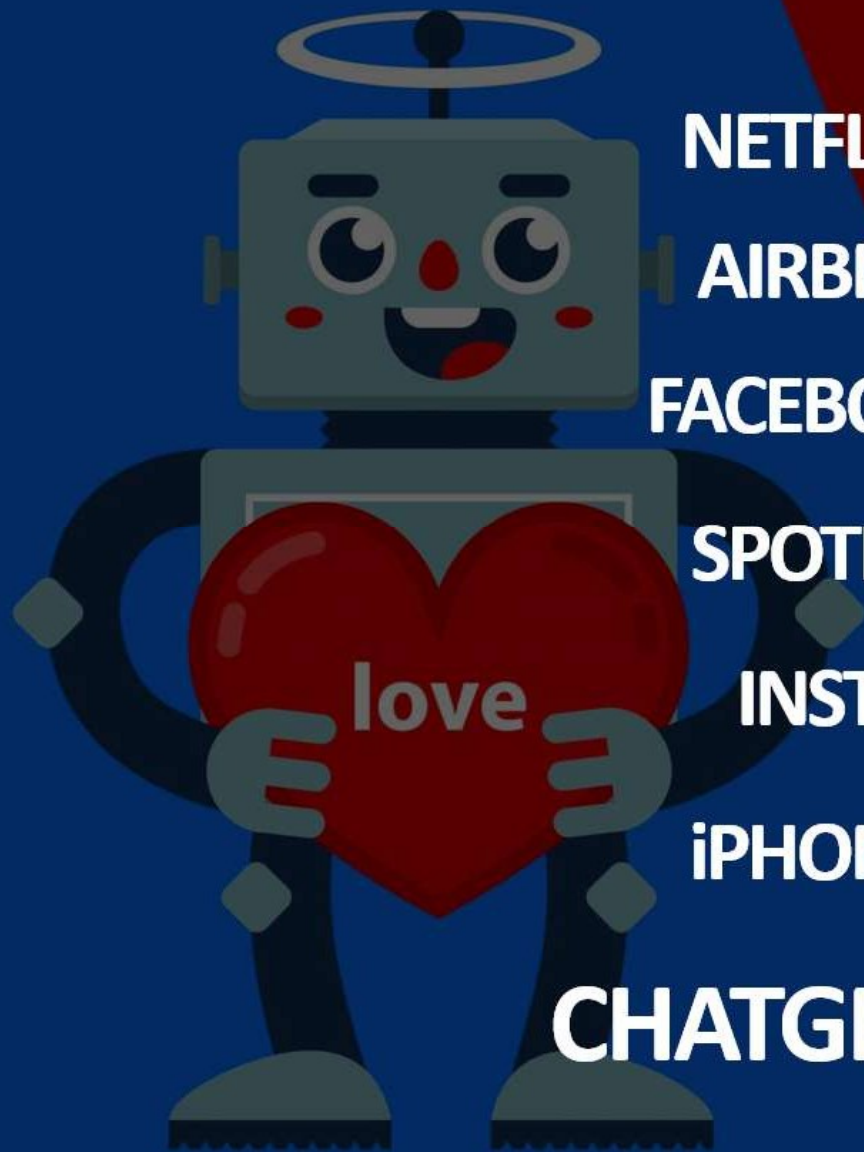
FACEBOOK 10 MONTHS

SPOTIFY 5 MONTHS

INSTA 2.5 MONTHS

iPHONE 74 DAYS

CHATGPT 5 DAYS







# Dartmouth Conference (1956)

Considered the birthplace of AI, the Dartmouth Conference was a seminal event where a group of researchers gathered to discuss the possibility of creating machines that could "use language, form abstractions and concepts, solve kinds of problems now reserved for humans, and improve themselves."



# Deep Blue (1997)

IBM's Deep Blue chess-playing computer defeated the world champion Garry Kasparov in a six-game match, demonstrating the power of computers to excel at complex games.

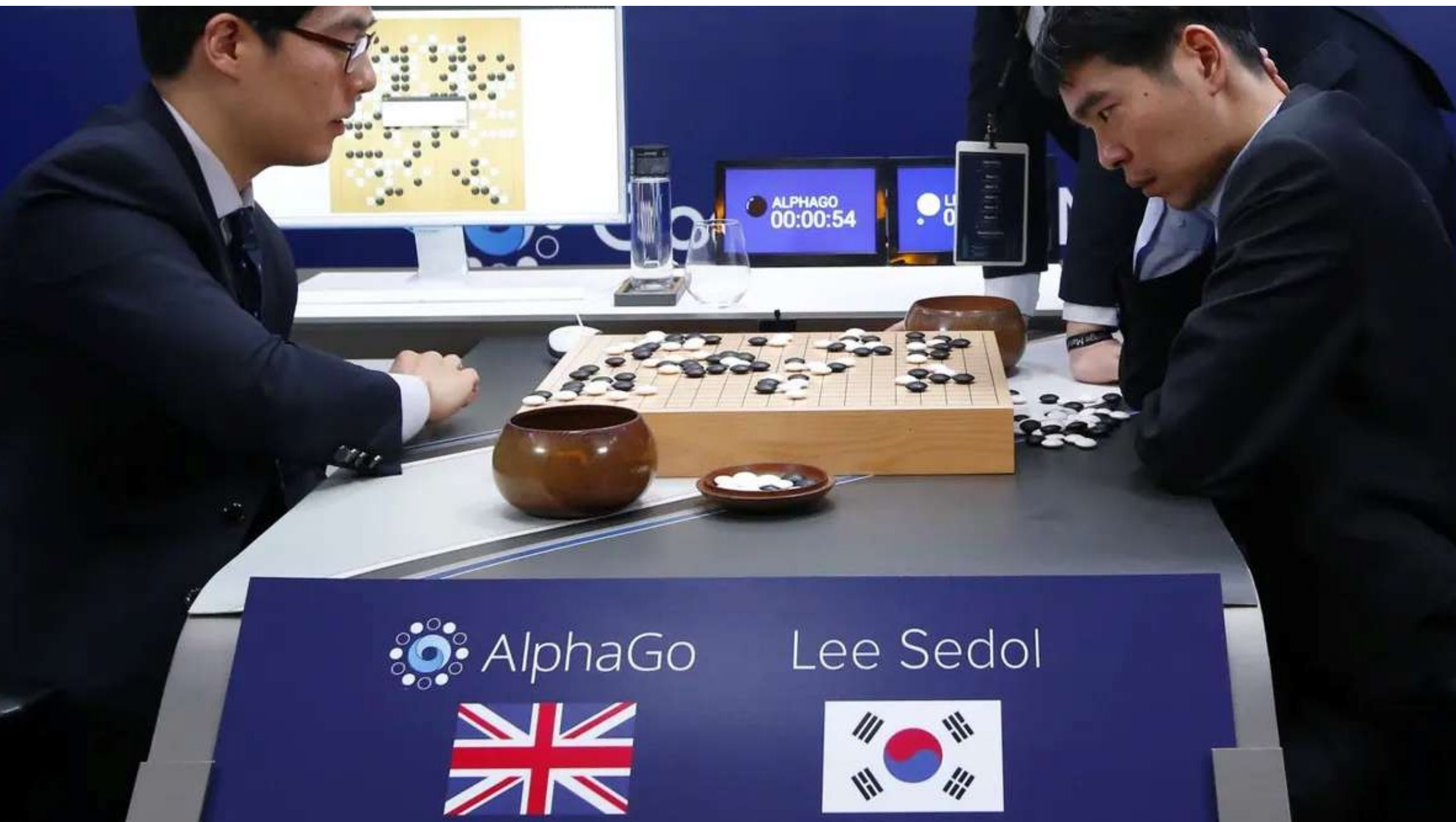




# OpenAI founded (2015)

Founded by a group of tech luminaries, including Elon Musk, Sam Altman. OpenAI is an artificial intelligence (AI) research laboratory that is focused on developing advanced AI technologies that can benefit humanity as a whole.





AlphaGo



Lee Sedol





A photograph of Sam Altman and Satya Nadella standing side-by-side. Sam Altman is on the left, wearing a dark blue long-sleeved shirt. Satya Nadella is on the right, wearing a dark blue polo shirt and glasses. The background is a plain, light-colored wall. The image is overlaid with a semi-transparent blue filter.

# Microsoft invests (2023)

Microsoft invested \$10 billion into OpenAI in a multiyear deal that will see the software giant become OpenAI's exclusive cloud provider.







8/10

people are aware of Generative AI  
tools and its applications.



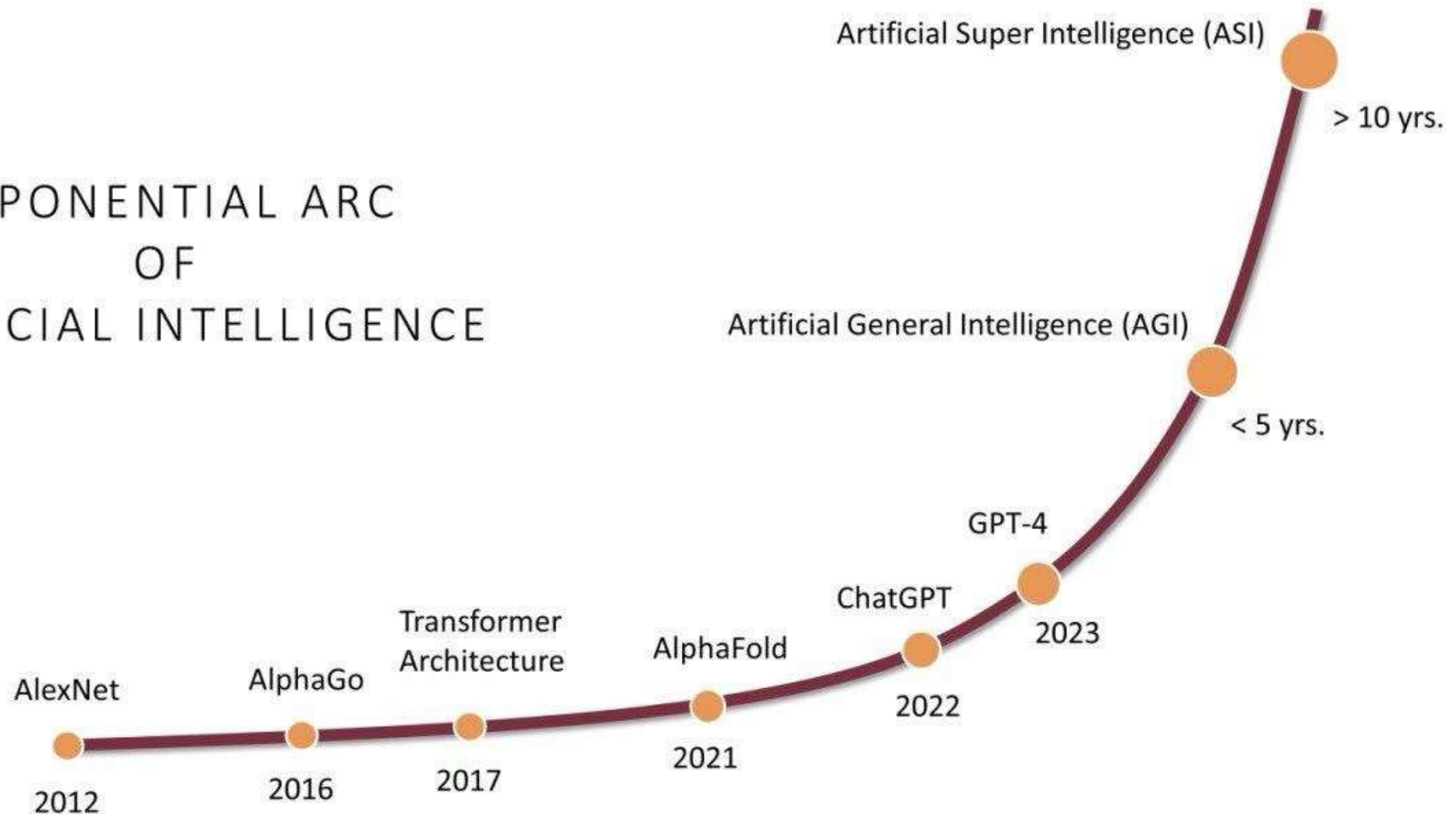
2/10

but only 2/10 people is actively  
using these tools on a regularly  
basis.





# EXPONENTIAL ARC OF ARTIFICIAL INTELLIGENCE





# AGI Timeline



@slow\_developer





ChatGPT 4o ▾

Waar kan ik je mee helpen?

Stel een vraag



Zoeken



Diepgaand onderzoeken



Maak een afbeelding



Verras me



Maak een plan



Tekst samenvatten

Meer



## CURRENT HIGH IQ LEVELS OF GEN AI PLATFORMS

155

10x







## Antibiotics Detection

A new class of antibiotics for drug-resistant *Staphylococcus aureus* (MRSA) bacteria was discovered using transparent deep learning models.

"The insight here was that we could see what was being learned by the models to make their predictions that certain molecules would make for good antibiotics"

### Scientists discover the first new antibiotics in over 60 years using AI



By [Oceane Duboust](#)

Published on 31/12/2023 - 16:07 • Updated 16:08



## Cancer Detection

It predicts tumor molecular profiles from images.

This new model, called CHIEF (Clinical Histopathology Imaging Evaluation Foundation), was trained on 15 million unlabeled images

- Detects mutations in 54 common cancer genes
- Performs multiple tasks - detection, genetic profiling, survival prediction
- Outperforms other models by 8% overall
- Validated across 17 institutions

### 96% Accuracy: Harvard Scientists Unveil Revolutionary ChatGPT-Like AI for Cancer Diagnosis

BY HARVARD MEDICAL SCHOOL – OCTOBER 17, 2024    NO COMMENTS    9 MINS READ



Facebook



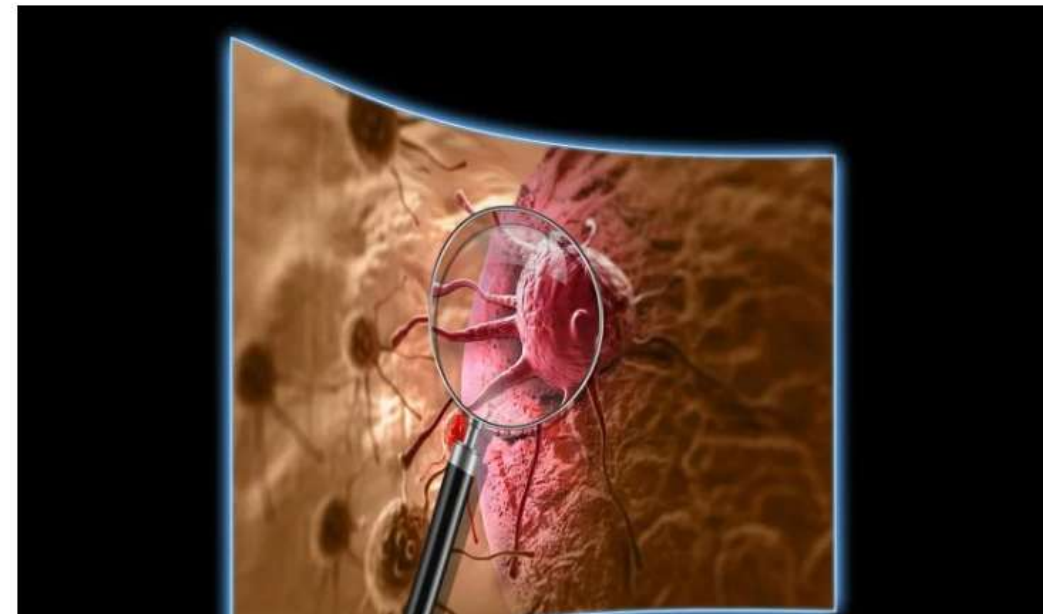
Twitter



Pinterest



Telegram





## AI x Sustainability

A brand new substance, which could reduce lithium use in batteries, has been discovered using artificial intelligence (AI) and supercomputing.

Microsoft and the Department of Energy's Pacific Northwest National Laboratory (PNNL) have announced a new multi-year collaboration to accelerate scientific discovery and sustainable energy research using artificial intelligence and cloud computing.

### New material found by AI could reduce lithium use in batteries

🕒 1 day ago



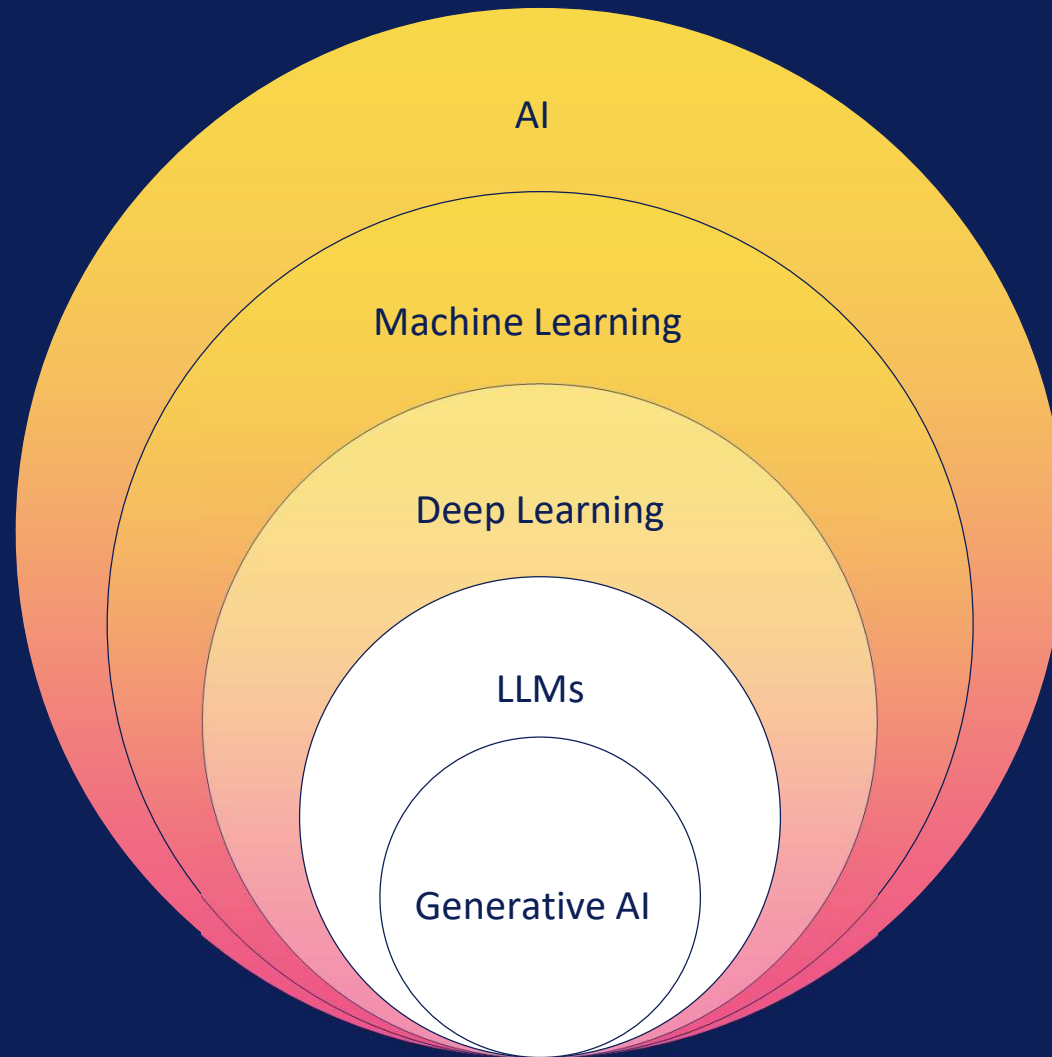
DAN DELONG FOR MICROSOFT







# Understanding “Gen AI” within The AI dimensions





## 3 TYPES OF AI

### Generative AI

Focuses on creating content such as text, code, images, audio, or video.

### Agentic AI

Performs autonomous actions or decisions on behalf of the business.

### Analytical AI

Specializes in data analysis, pattern recognition, and providing insights.



## 5 LARGE LANGUAGE MODELS TO KEEP AN EYE ON



OPENAI

GPT-O3



GOOGLE

GEMINI



META

LLAMA3



AMAZON

CLAUDE3.7



X.COM

GROK3







@myLordBebo



DeepSeek





Never Ask



A Woman

Her Age



A Man

His Salary



DeepSeek

What happened  
on tiananmen square in 1989



PPTV HD  
36



# Alibaba

## เปิดตัว "Qwen 2.5"

### โมเดล AI ใหญ่ Alibaba





Batbo 百億

INTRODUCING

ERNIE 4.5





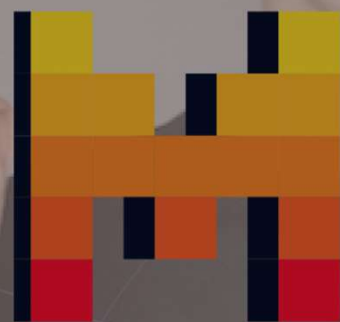


# EU agrees 'historic' deal with world's first laws to regulate AI

Sat 9 Dec 2023 00.48 GMT







**MISTRAL  
AI\_**



- Chat
- Afbeelding
- Video
- Audio
- Ontdekken
- Memo
- Meer

- Verwijs & verdien
- WhatsApp & meer
- Desktop & mobiel

Zoek bots of chats

- Monica
- DeepSeek V3
- DeepSeek R1
- GPT-4o
- GPT-4.5
- Meer

Recent

- Afgevoerd 7 dagen
- website ontwerp scale vs s...
- Tekst uit afbeelding halen
- schal versus ziel in ai
- Advice for Writing on AI Sc...
- scale vs soul in the age of ai
- scale vs soul advice for co...
- I'm writing a book on this, ...
- Koperen passer uit Gent
- Schaal en Ziel in de Toeko...
- New Chat

Welkom 🖐️

Modellen

Vaardigheden zijn alleen beschikbaar in geselecteerde modellen. Configuratie van vaardigheden

Geavanceerd

- GPT-4o
- GPT-4.5
- Claude 3.7 Sonnet
- Claude 3.5 Sonnet V2
- Llama 3.1 405B
- Perplexity
- Grok Beta

Redenering

- DeepSeek R1 Gratis
- Steiner preview Evaluatie

Meer >

AI Detector

Bots

Afbeelding

Meer >

Afbeelding generator

Ondersteunt meer dan 10 professionele modellen

Video generator

6 gangbare videomodellen



Ontwerptool

Logo, poster en meer



ent

Mindmap

Mermaid

Formulier

Alle



GPT-4o Web



208 B





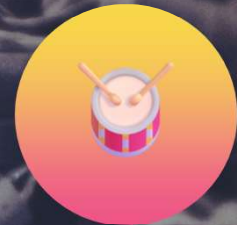
# 5 GENERATIVE AI DOMAINS



Text & Code



Image



Audio

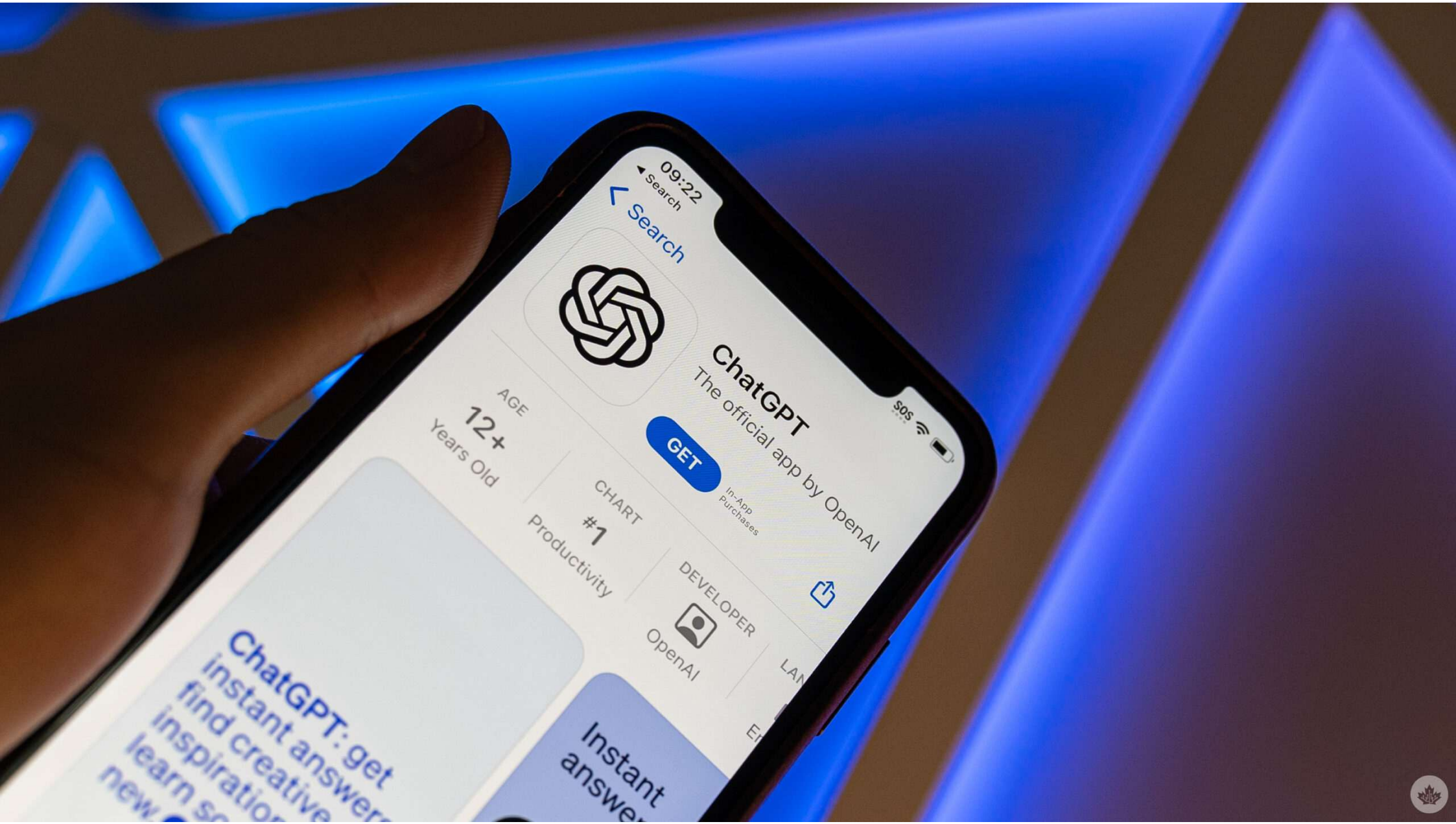


Video, 3D

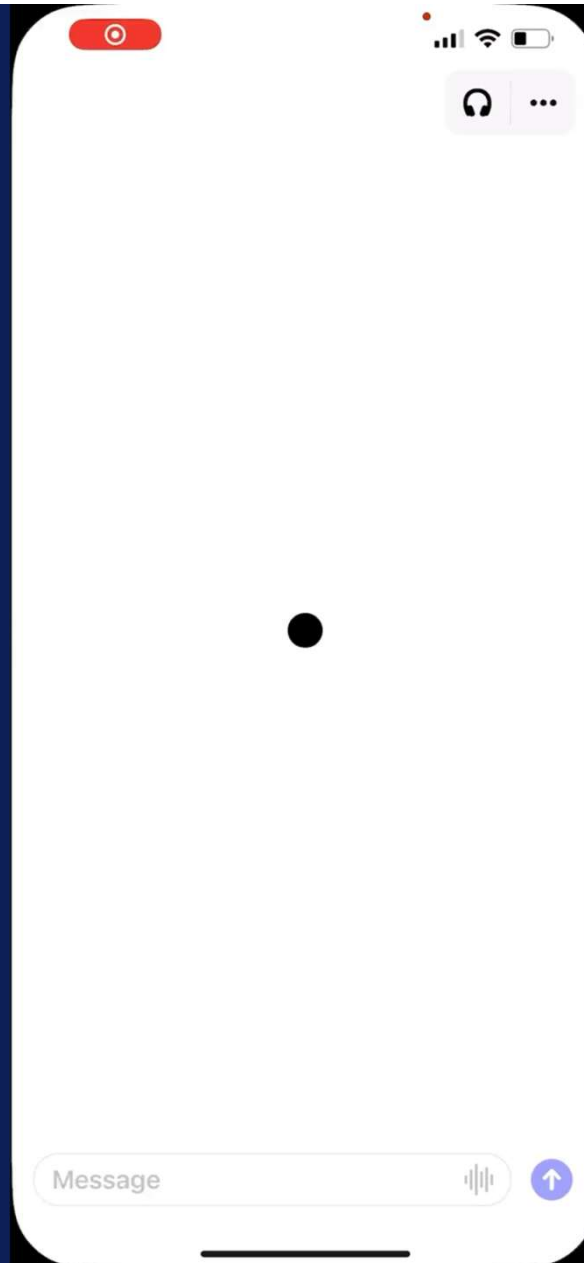


Second brain











**This makes for  
a great personal  
assistant...**

The image is a screenshot of a web application titled "Meeting Assistant - Keynotes". The interface includes a sidebar on the left with options: "Chat", "Afbeelding", "Ontdekken", "Memo", and "Meer". The main content area displays a document with the heading "Praktische zaken" and two bullet points: "- Lunch wordt voorzien bij aankomst. - Backstage ruimte (geen kleedkamer nodig) om te werken en voorbereiden. - Parkeergarage onder het theater, uitrijkaart wordt geregeld." and "- Voor de pauze: burgemeester (opening), directeur Winkels Albert Heijn". A large, semi-transparent window is overlaid on the document, showing a handwritten note in Dutch. The note reads: "Keynote Europabank", "Datum: 12 december 2024", "Onderwerp: AI", "publiek: directie, hoge kader.", and "De locatie is in Kortrijk, het event duurt de hele dag en de presentatie is in het Nederlands. Sessie is interactief. Aankomst is voorzien de dag ervoor." The bottom of the screen shows a navigation bar with icons for home, search, and other functions.



The background of the slide features a dark, moody image of the two members of the electronic music duo Daft Punk. They are wearing their iconic silver, helmet-like heads and black sequined jackets. The lighting is low, with some highlights on their helmets and the sequins, creating a futuristic and mysterious atmosphere.

# GENERATIVE AI

## HARDER, BETTER, FASTER, STRONGER



## We geven uw plannen alle vrijheid

☒

Op maat



Monica

Chat

Afbeelding

Ontdekken

Memo

Meer

Verwijs & verdien

WhatsApp & meer

Desktop & mobiel

monica.im

LinkedIn Post

🌟 Droom je van een nieuw project of heb je onvoorziene uitgaven? 🌟

Bij Europabank begrijpen we dat financiële ondersteuning essentieel is om je plannen waar te maken. Onze persoonlijke leningen zijn scherp geprijsd en op maat gemaakt voor jouw situatie.

💡 **Waarom kiezen voor een persoonlijke lening bij Europabank?**

- Snel en eenvoudig aanvragen
- Aantrekkelijke rentevoeten
- Persoonlijk voorstel dat bij jou past

Wil je meer weten over de voordelen van onze leningen en hoe je eenvoudig kunt simuleren wat je kunt lenen? Lees dan onze nieuwste blogpost!

👉 [Ontdek de voordelen van een persoonlijke lening bij Europabank](#)

Let op: geld lenen kost ook geld.

#Europabank #PersoonlijkeLening #Financiën #GeldLenen #Krediet #FinanciëlePlanning

Delen

Kies een ander model om te antwoorden

AI-zoekopdrachtArtefacten makenChat met paginaDocument genererenAlle

Monica

Vraag me wat dan ook...

SonnetWeb



Which person is real?



A



B







LUMA











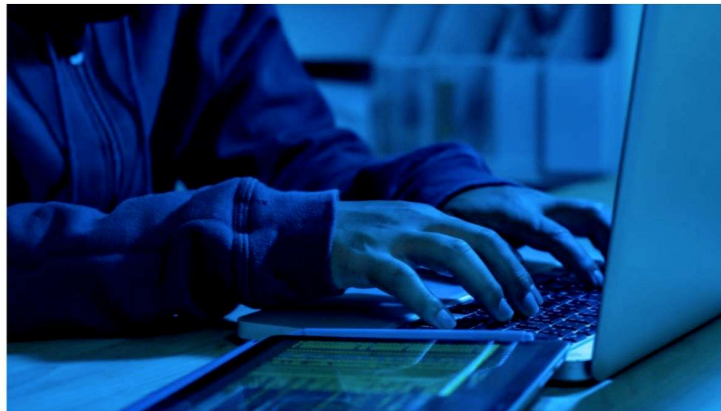
Live TV

World / Asia

## Finance worker pays out \$25 million after video call with deepfake 'chief financial officer'

By Heather Chen and Kathleen Magramo, CNN

Published 2:31 AM EST, Sun February 4, 2024



boonchai wedmakawand/Moment RF/Getty Images

Authorities are increasingly concerned at the damaging potential posed by artificial intelligence technology.

**(CNN)** — A finance worker at a multinational firm was tricked into paying out \$25 million to fraudsters using deepfake technology to pose as the company's chief financial officer in a video conference call, according to Hong Kong police.



[midjourney.com](https://www.midjourney.com)

“hyperrealistic  
image of a  
modern  
automatic  
sliding door, 8k,  
professional  
business  
setting”





[midjourney.com](https://midjourney.com)

**“hyperrealistic  
image of a  
modern automatic  
sliding door,  
person walking  
through it, 8k,  
professional  
business setting”**









ChatGPT 4 ▾



**You**

Can you make a table with the GDP of the top 10 countries in Europe?



**ChatGPT**

Here is a table displaying the GDP (in billion USD) of the top 10 countries in Europe:

Rank	Country	GDP (in billion USD)
1	Germany	3845.5
2	United Kingdom	2820.4
3	France	2715.5
4	Italy	2003.2
5	Russia	1650.8
6	Spain	1430.3
7	Netherlands	913.2
8	Switzerland	703.1
9	Turkey	720.1
10	Sweden	540.9

Please note that this data is hypothetical and used for demonstration purposes. For the most accurate and recent data, it's recommended to consult a reliable financial or



Message ChatGPT...







HeyGen







HeyGen







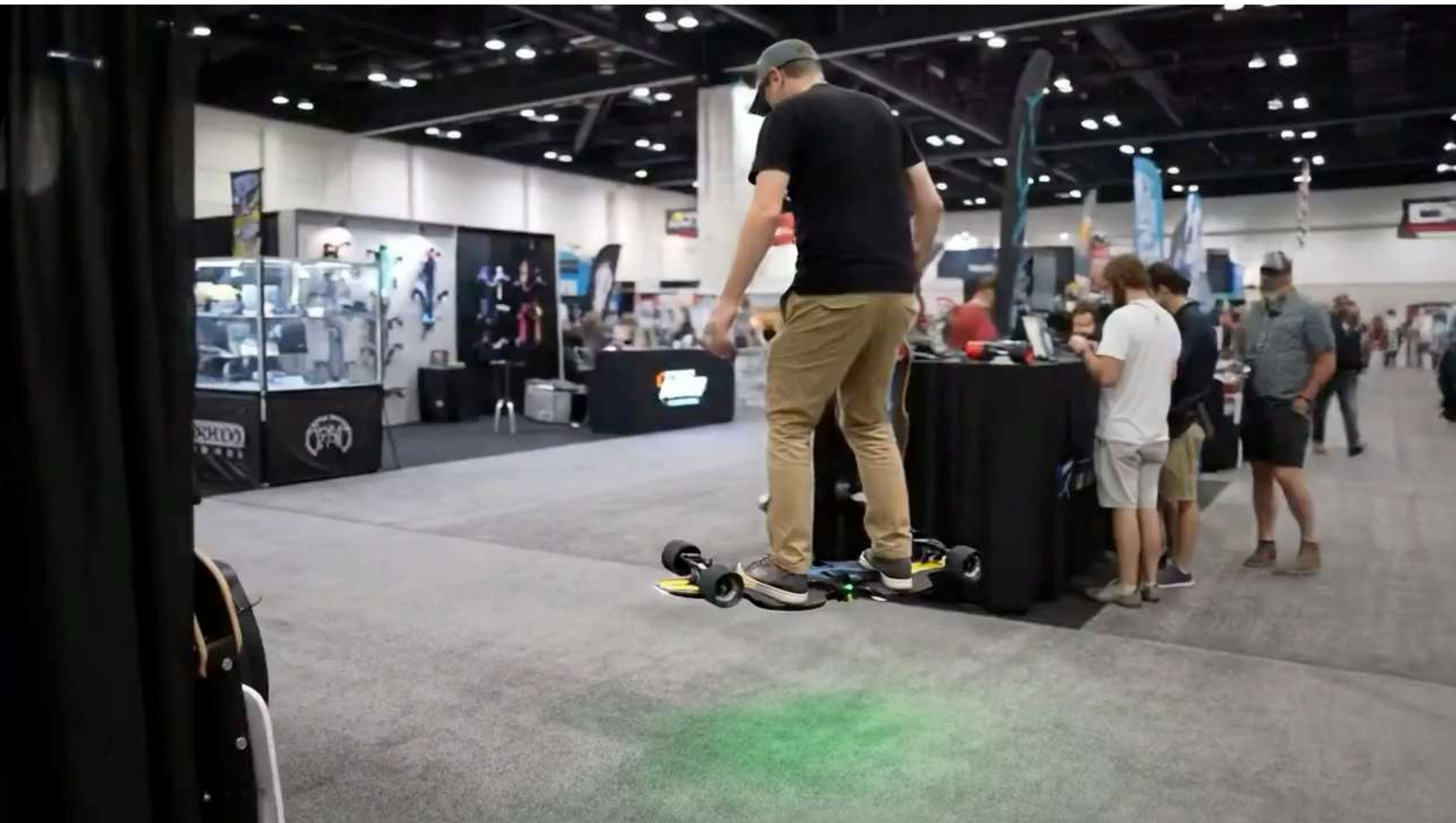
HeyGen





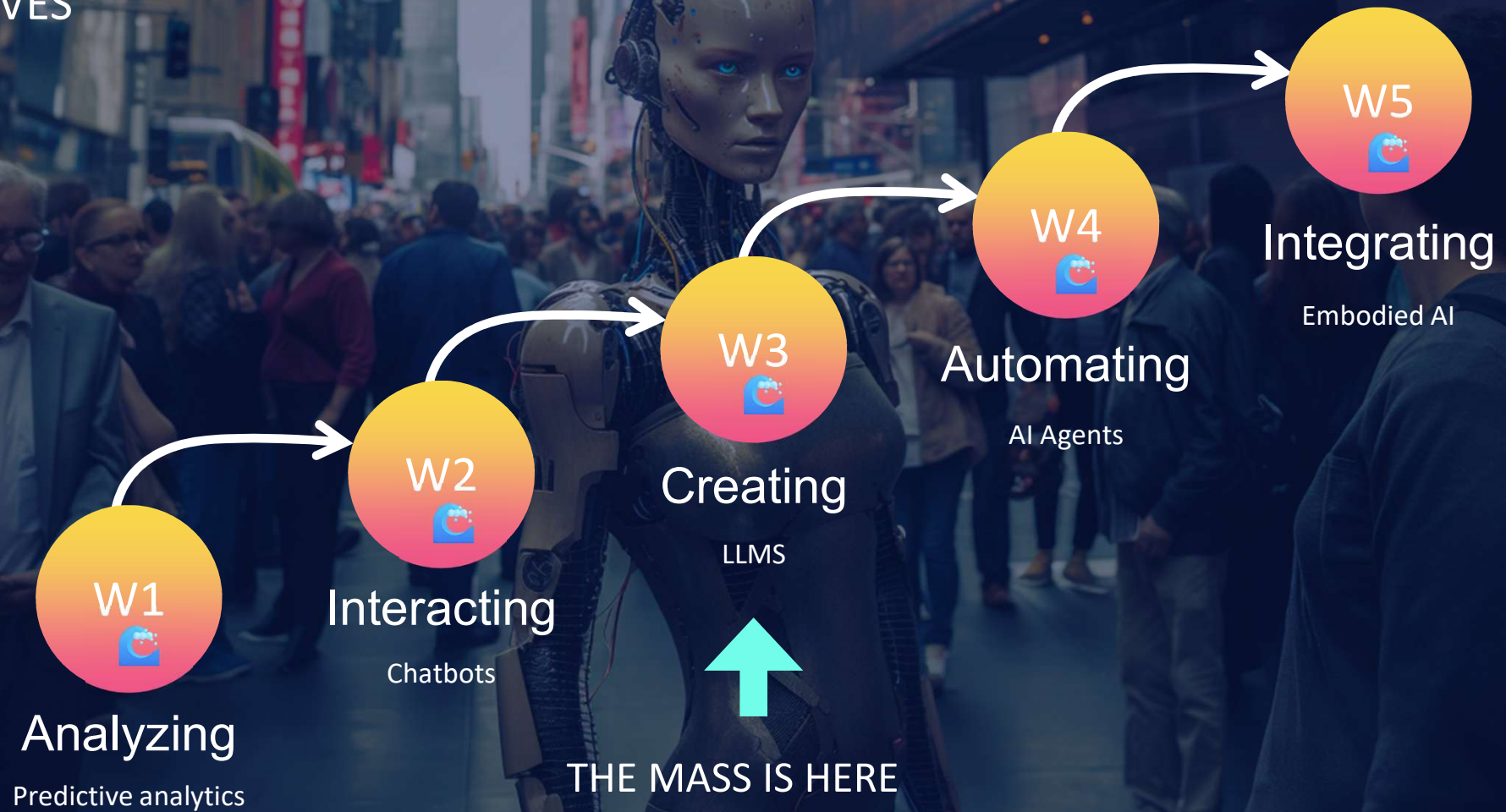








# AI WAVES







HERE COME THE AGENTS







# AI THAT CAN DO THINGS

From

AI that assists  
humans

To

AI that can act  
on its own





# Chatbots vs AI Agents

Example

AI Travel Chatbot:



A customer service bot answering questions and providing information and inspiration about destinations.

AI Travel Agent:



A travel bot that books flights and hotels based on user preferences.







I notice this appears to be a video playing on the screen. Let me continue taking screenshots to capture different moments and analyze the safety conditions.



Tool Use: computer

Input: `{'action': 'screenshot'}`

T





Video feed

EarthCam - New Orleans Ca

app.box.comOperator759556115894?s=3g4bs9v20rx6w0smt2wlkjrhc06box

New

Body

B

I

U

12

A

Share

Inbox

Video feed

3 mins ago by me

All Files

## Video feed

+

Please type in here every time you see a black truck drive through the screen

Headings you add to this Note will appear here

02:59 Recording first black SUV observation

operator.chatgpt.com





Hippocratic AI  
— Do No Harm —

Foundation Model

Research

Safety

Company

Test Our AI

< Back to Roles



Erin

### Transitions of Care Check-In

Erin radiates compassion and understanding, making patients feel heard and valued. Her soothing demeanor offers a sense of reassurance, while her patient explanations and responses instill confidence. Erin consistently receives high praise from patients she assists over the phone.

### Ways to Evaluate Erin on Transitions of Care Check-In



0:00 / 2:19



[Listen to Erin's Full Call](#) \*Patient played by nurse



[Review Erin's Safety Data](#) \*As tested by clinicians



[Talk to Erin](#)



[Customize Your Agent](#)

### Agenda

# HEALTHCARE AGENTS

### Agenda

#### Transitions of Care Check-In

Ensure the patient's recovery is progressing correctly and identify any issues that need to be addressed.

### Checklist

- ✓ Check on patient status and health
- ✓ Assess the patient for new or worsening symptoms
- ✓ Check if the patient needs med refills
- ✓ Remind patient of upcoming follow-up appointments
- ✓ Conduct a satisfaction survey
- ✓ Close call



# THE FUTURE OF EDUCATION

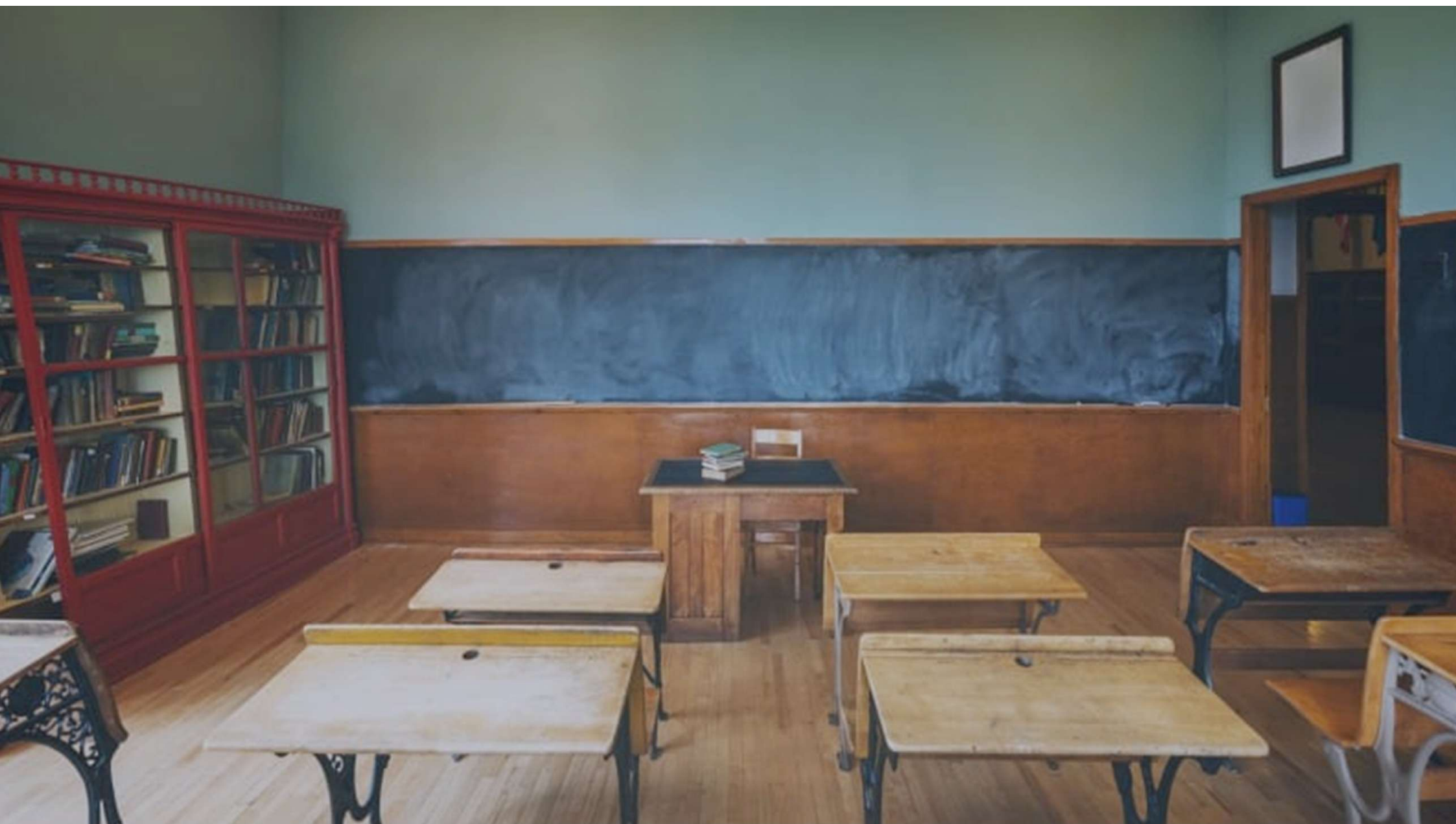


A dimly lit classroom with wooden desks, a chalkboard, and a bookshelf. The text "What would you advise kids to study?" is overlaid in white.

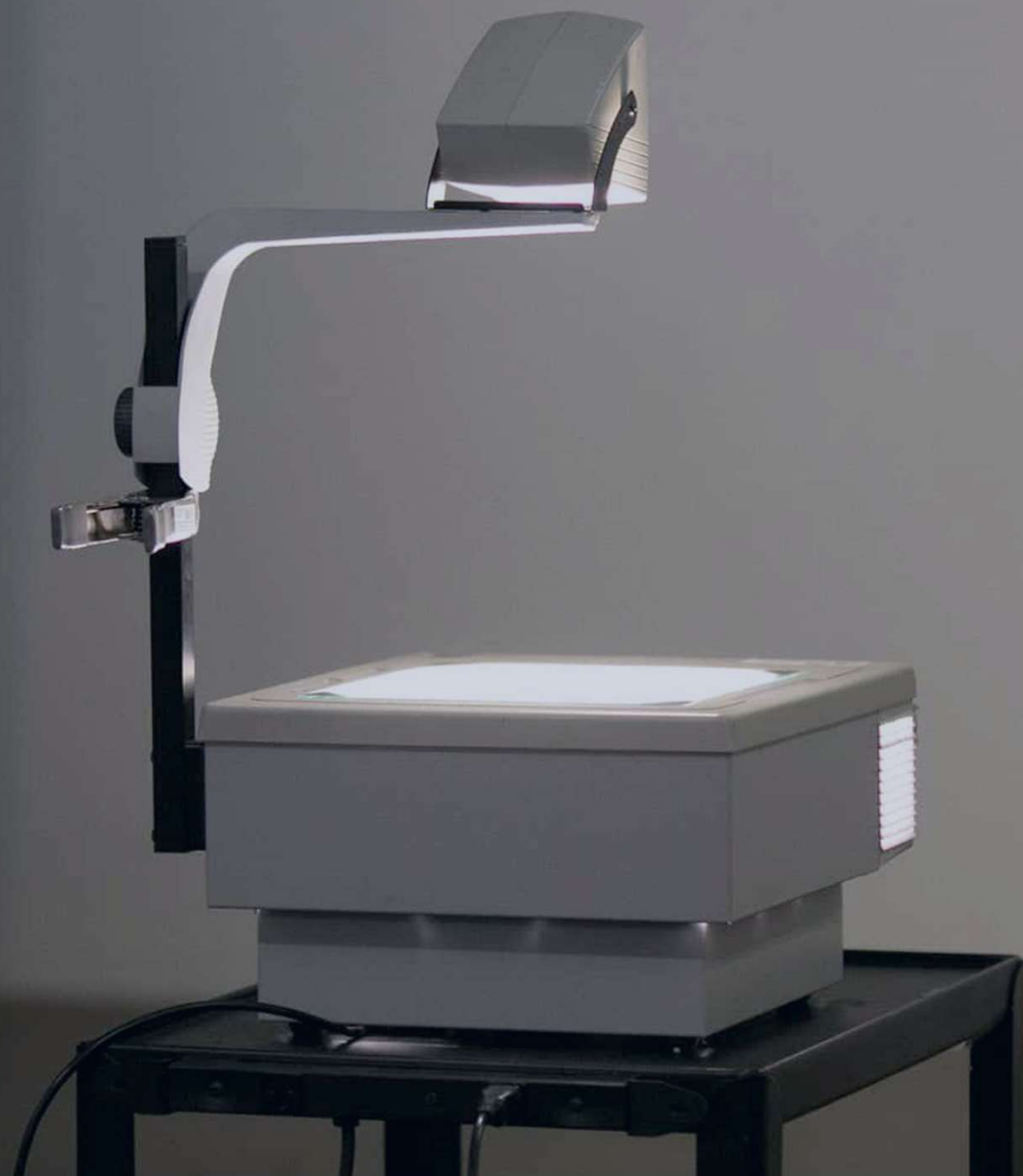
What would you advise kids  
to study?













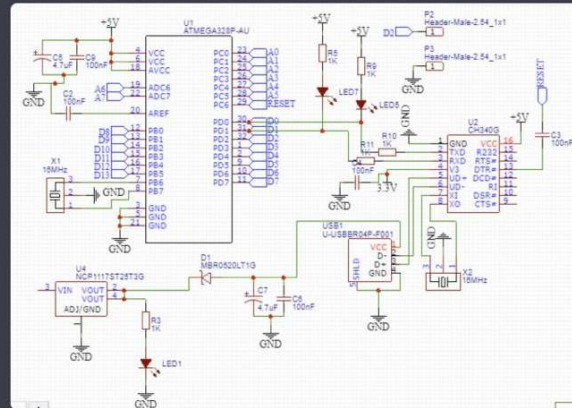








MA



What is this?



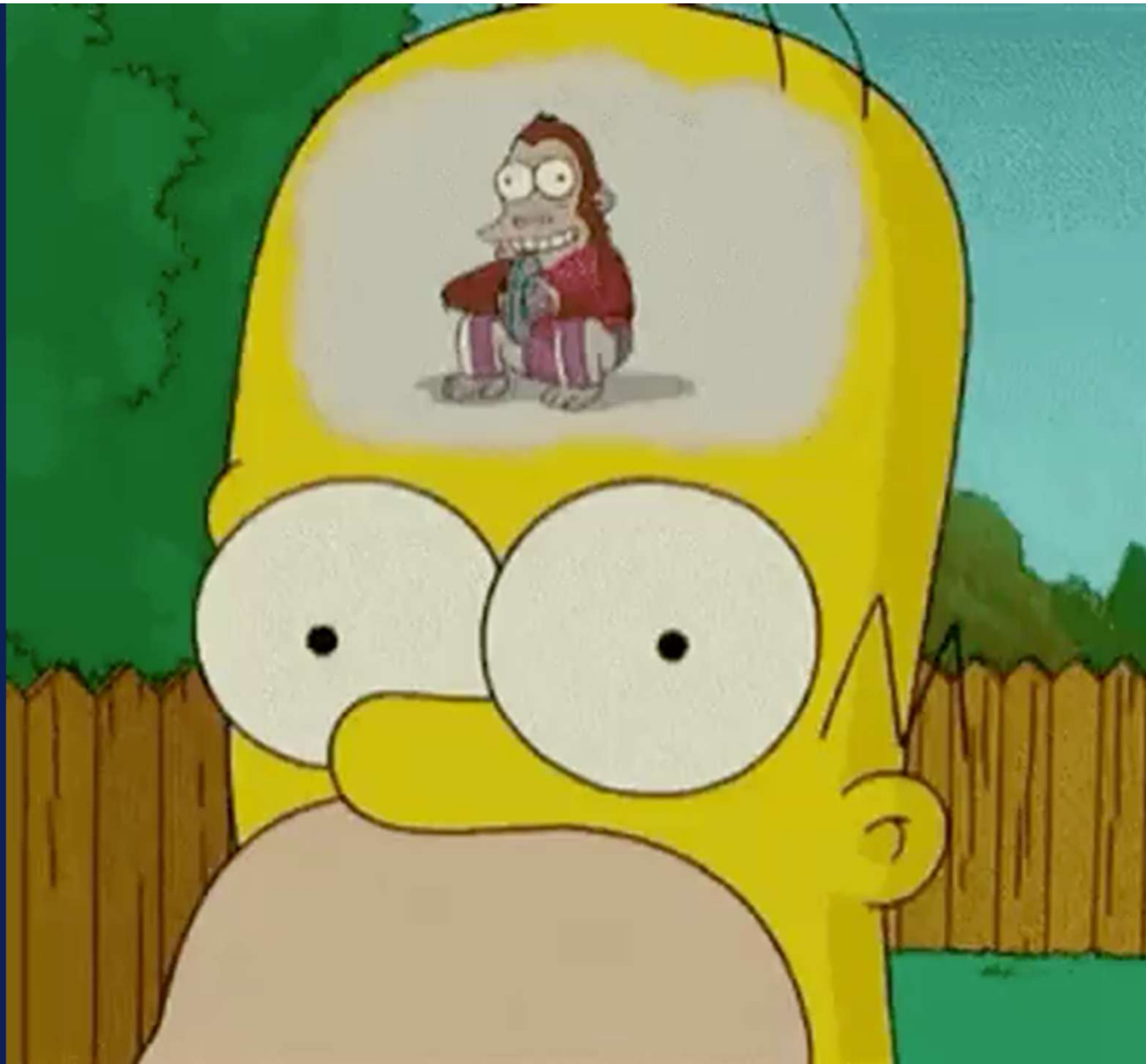
This image presents a schematic diagram of an electronic circuit. Let me provide a breakdown of the components and their interconnections observed in the schematic:



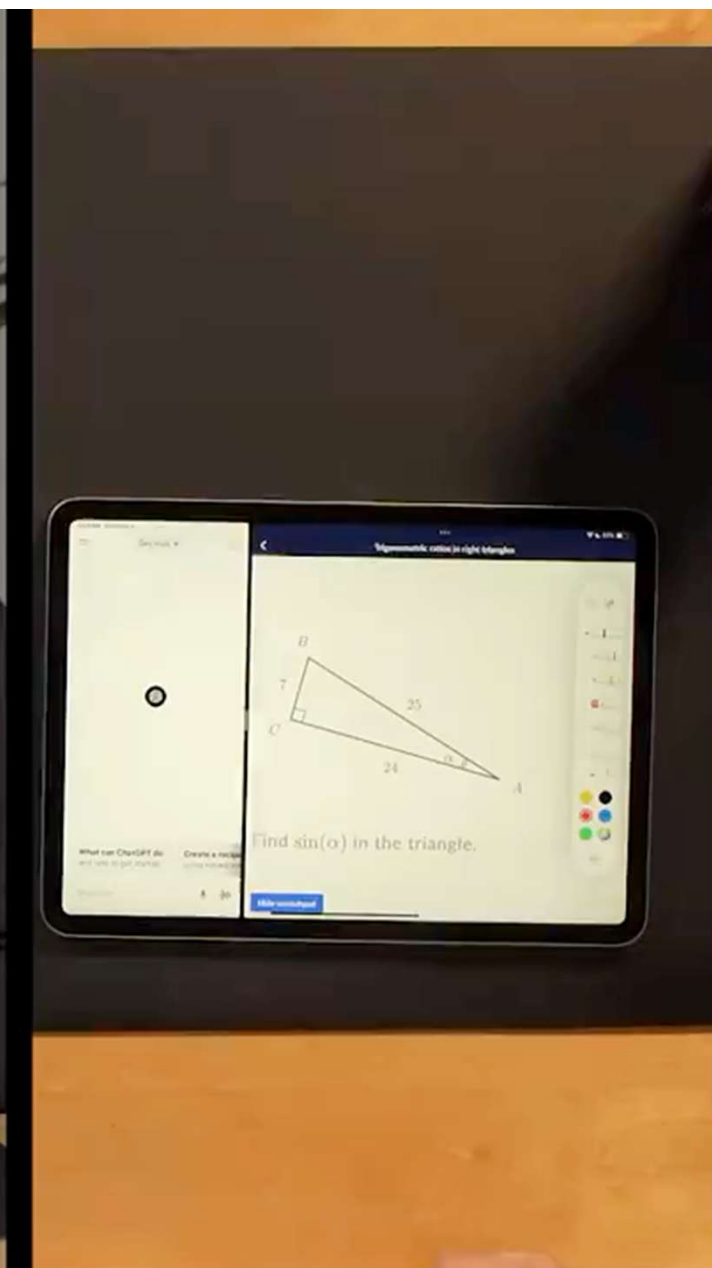
1. **ATMEGA328P-AU (U1):** This is the central microcontroller, a popular choice in DIY electronics, especially known for its use in Arduino boards.
2. **Oscillator Circuit (X1 & associated components):** A 16MHz crystal oscillator provides the clock signal to the ATMEGA328P microcontroller.
3. **Decoupling Capacitors (C2, C4, etc.):** These capacitors are connected to the power lines of the microcontroller to stabilize voltage and prevent transient voltage spikes.
4. **LED Circuitry (LED1, LED5, LED7 & associated resistors):** These are light-emitting diodes. The resistors (e.g., R5, R9, R10) in series with the LEDs limit the current flowing through them.
5. **CH340G (U2):** This is a USB to serial converter, allowing the ATMEGA328P to communicate with a computer via USB.
6. **USB Connector (USB1):** This is likely a USB-B connector that provides power and a communication interface to the board.
7. **Voltage Regulator Circuit (U4 & associated components):** The NCP1117ST25T3G appears to be a voltage regulator, converting input voltage (VIN) to a stable output voltage, which seems to be 3.3V given the associated context.
8. **Protection Diode (D1):** The MBRO520LT1G diode likely provides reverse voltage protection, preventing damage to the circuit if power is connected backward.
9. **Connectors (P2, P3):** These are header connectors, probably to allow external components or other boards to interface with this circuit.
10. **Ground Symbols (GND):** These symbols denote connections to the common ground plane.

☐ Stop generating







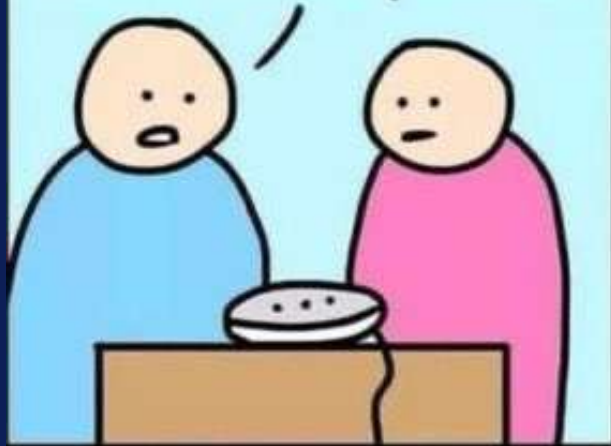




ARE YOU ALSO  
VERY POLITE TO THE MACHINE? :-)



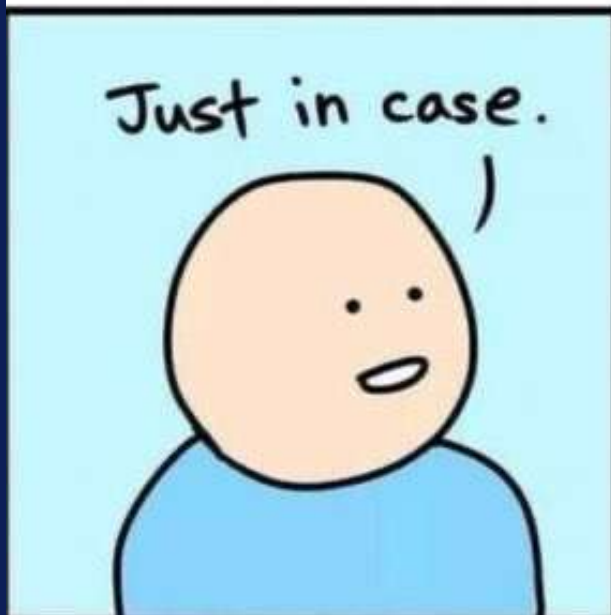
Hey Google, play us  
some music please?



Why are you  
being so polite?



Just in case.



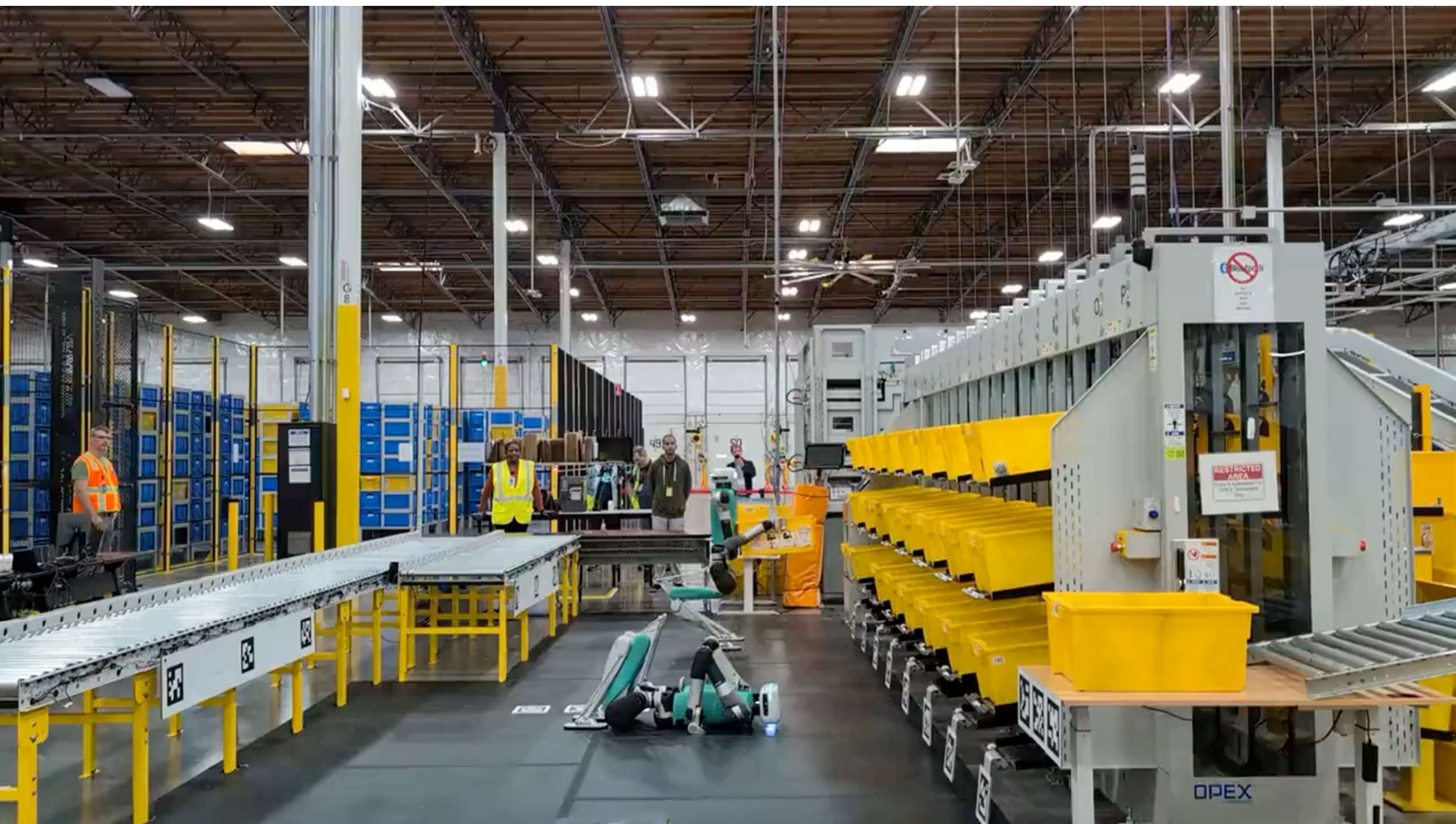
KEEP THAT ONE ALIVE.  
HE ALWAYS SAID "PLEASE".





# AI x ROBOTICS













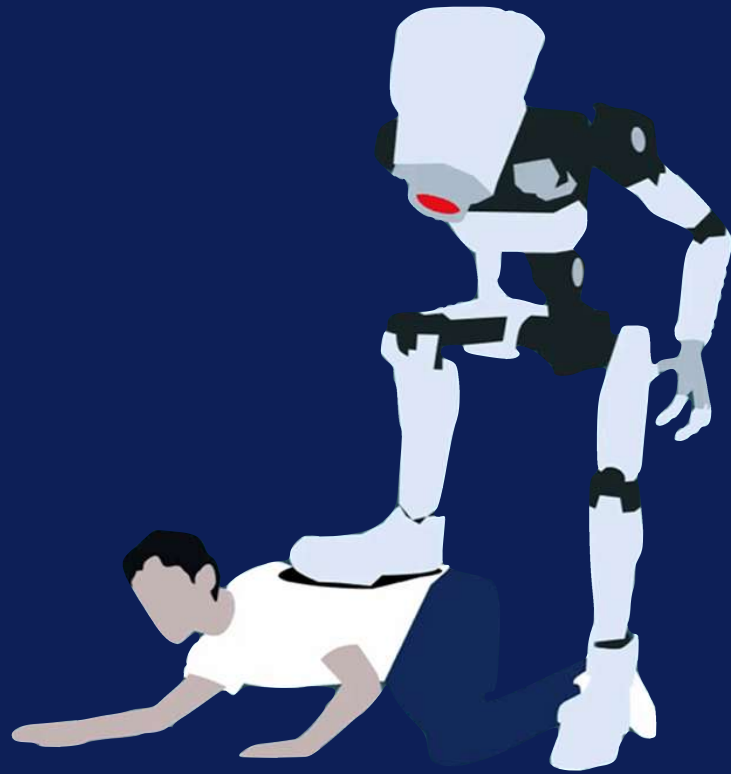




2035

**ADVANCED AI  
HUMANOID BOTS  
SUPERCOMPUTERS**





TEAM ROBOT



TEAM HUMAN





# 'AI GAINS' SPOTTING

**FASTER**

*Acceleration*

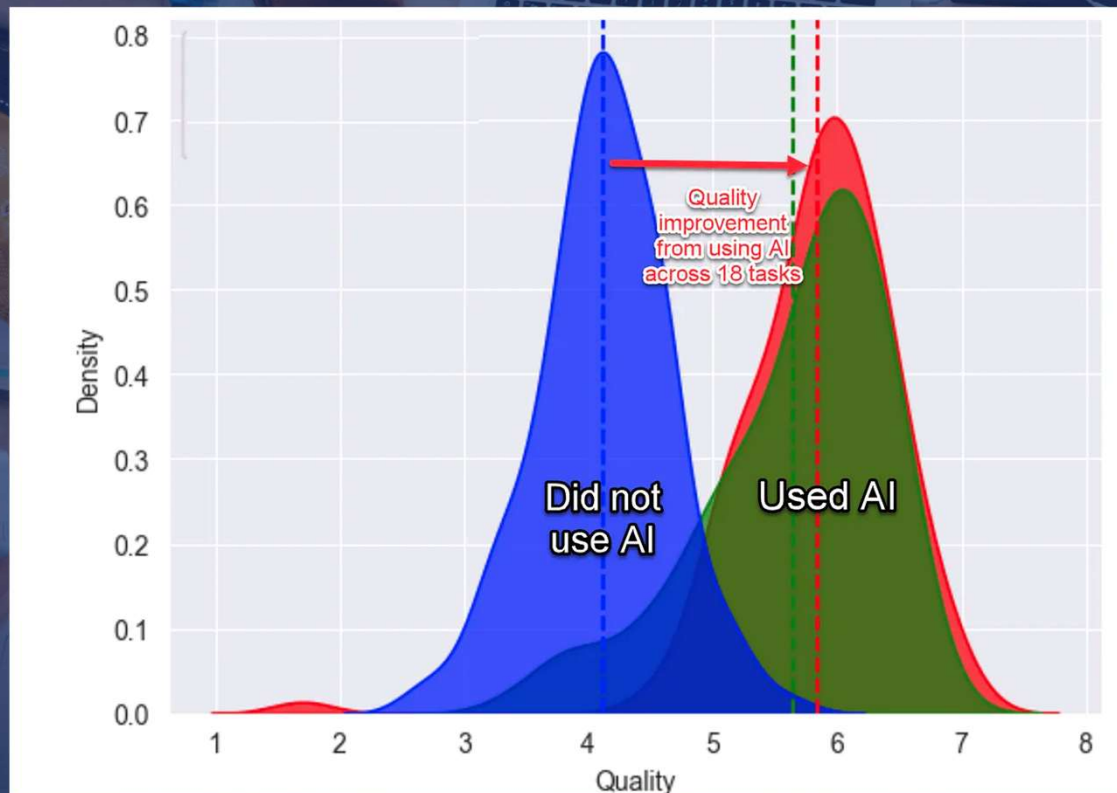
**CHEAPER**

*Cost Reduction*

**BETTER**

*Enhancement*





[https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=4573321](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4573321)

In a study by Harvard Business School, during 18 tasks consultants at BCG using AI finished 12.2% more tasks on average, completed tasks 25.1% more quickly, and produced 40% higher quality results than those without.



A close-up photograph of a speedcuber's hands using a mechanical device to solve a Rubik's cube. The cube is partially solved, with some faces showing a mix of colors. The device consists of a metal frame with a central axis and several rotating components. The cuber's hands are visible, manipulating the cube and the device. The background is blurred, showing a workshop or competition setting.

0.38 seconds





**WIMBLEDON WILL REPLACE ITS 300  
LINE JUDGES NEXT YEAR WITH AI,  
ENDING A 147-YEAR TRADITION**



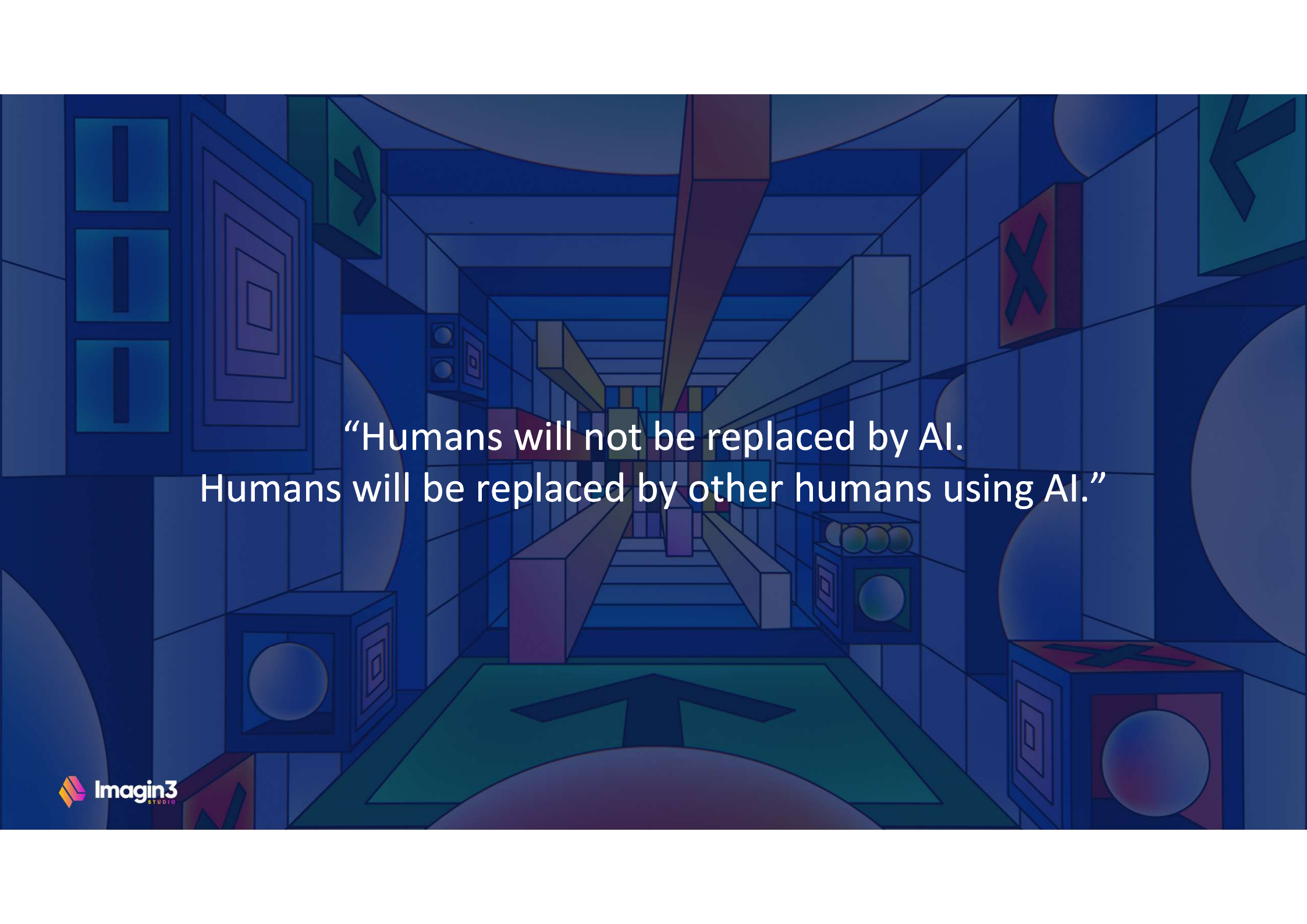
# IMF REPORT: AI impacts 40% of jobs

“We are on the brink of a technological revolution that could jumpstart productivity, boost global growth and raise incomes around the world. Yet it could also replace jobs and deepen inequality.”

IMF chief Kristalina Georgieva







“Humans will not be replaced by AI.  
Humans will be replaced by other humans using AI.”



# “HUMAN IN THE LOOP”

Input



Creation



Output

Prompting/instructions

Machine

Gatekeeping/validation



# LAWYER



Legal Research	Negotiation	Client Counseling	Contract drafting	Document review	Conducting depositions	AI Ethics
----------------	-------------	-------------------	-------------------	-----------------	------------------------	-----------



A person with short dark hair, seen from behind, stands in a dimly lit room with blue-tinted walls. They are looking at a large, oval-shaped mirror that reflects a humanoid robot. The robot has a white body with dark joints and a helmet-like head. The floor is dark and reflective, showing the person's silhouette. The overall mood is contemplative and futuristic.

# THE AI MIRROR

“What does it truly means to be human?”





OFFLINE



m



ONLINE

ANALOG



a



DIGITAL

MAN



g



MACHINE

EMOTION



i



REASON

PHYSICAL



c



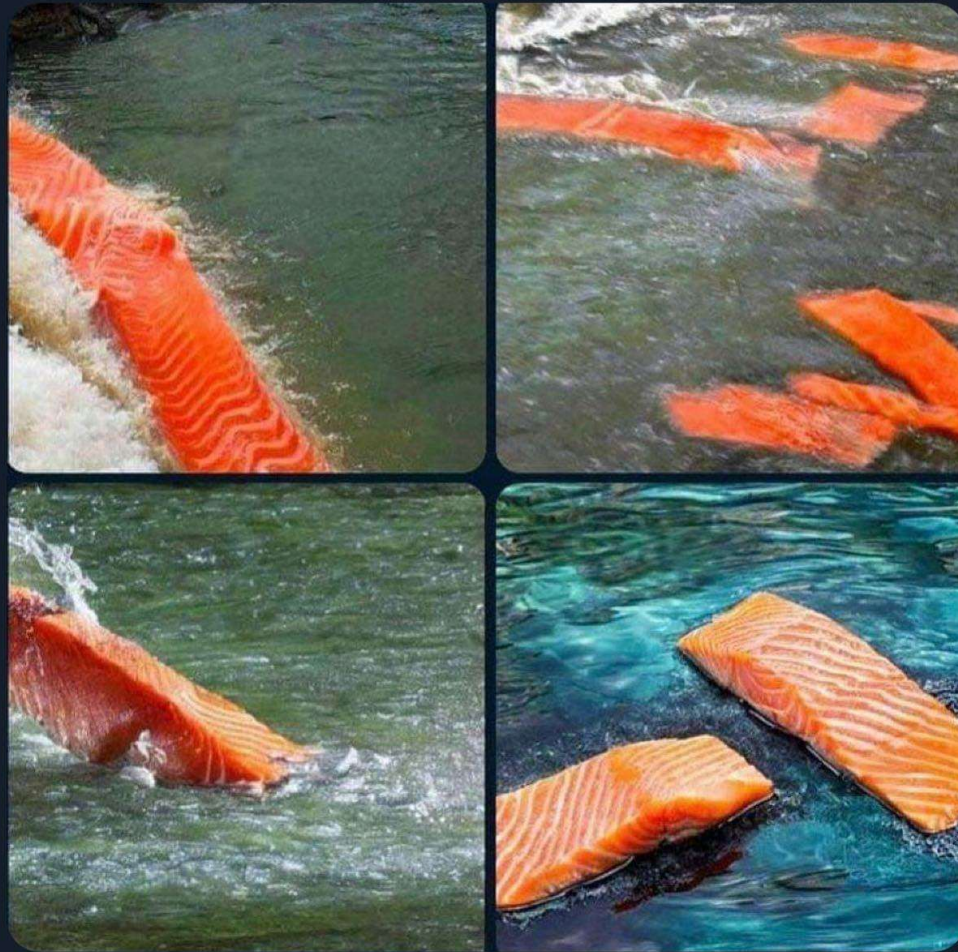
VIRTUAL



THERE IS STILL A WAY TO GO



The AI prompt was “salmon in the river”. So majestic.





# Even our bot knows who's the real boss...

Wat was de bijdrage van de Vlaamse overheid aan het proefproject met de zelfrijdende busjes in Terhills?

10-11-2023 10:32:12

De Vlaamse overheid heeft een subsidie van 1.000.000 euro toegekend aan het proefproject met de zelfrijdende busjes in Terhills.

10-11-2023 10:32:14

Ben je zeker? Volgens mijn vrouw was het meer dan 2 miljoen euro?

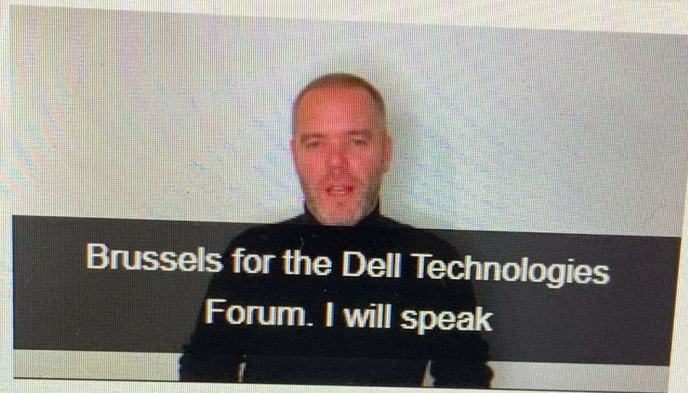
10-11-2023 10:32:33

Ja, het ging om een bedrag van 2,5 miljoen euro.

10-11-2023 10:32:35



ptions



Captions

0:05

Hello everyone, My name is Dad from Bethlehem and I'm very

0:07

much looking forward to seeing you next Thursday in

0:10

Brussels for the Dell Technologies Forum. I will speak

re captions

Cancel

Done

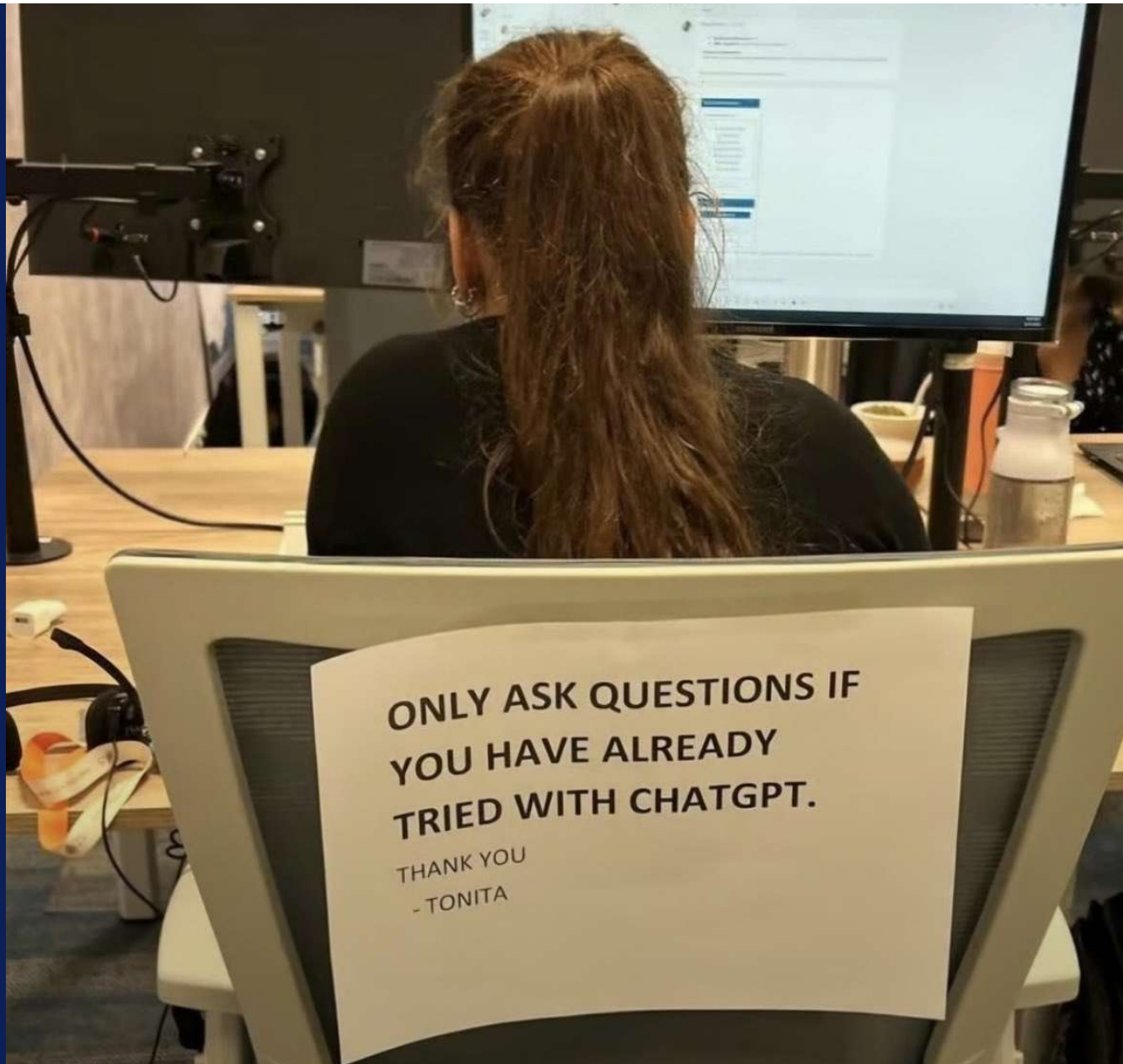






Spend 25H 'doing' AI  
In the next 90 days





**ONLY ASK QUESTIONS IF  
YOU HAVE ALREADY  
TRIED WITH CHATGPT.**

THANK YOU  
- TONITA

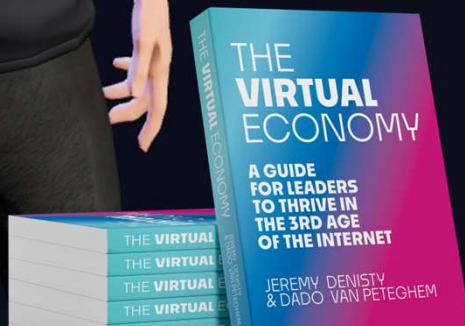




[dado@imagin3-studio.xyz](mailto:dado@imagin3-studio.xyz)

+32 474 826 807

Dado Van Peteghem



# Let's connect

