

De la cadena de suministro a la automatización avanzada: Web3, IA y los entornos industriales del futuro

ie
BUSINESS SCHOOL

Enrique Dans

<https://enriquedans.com>



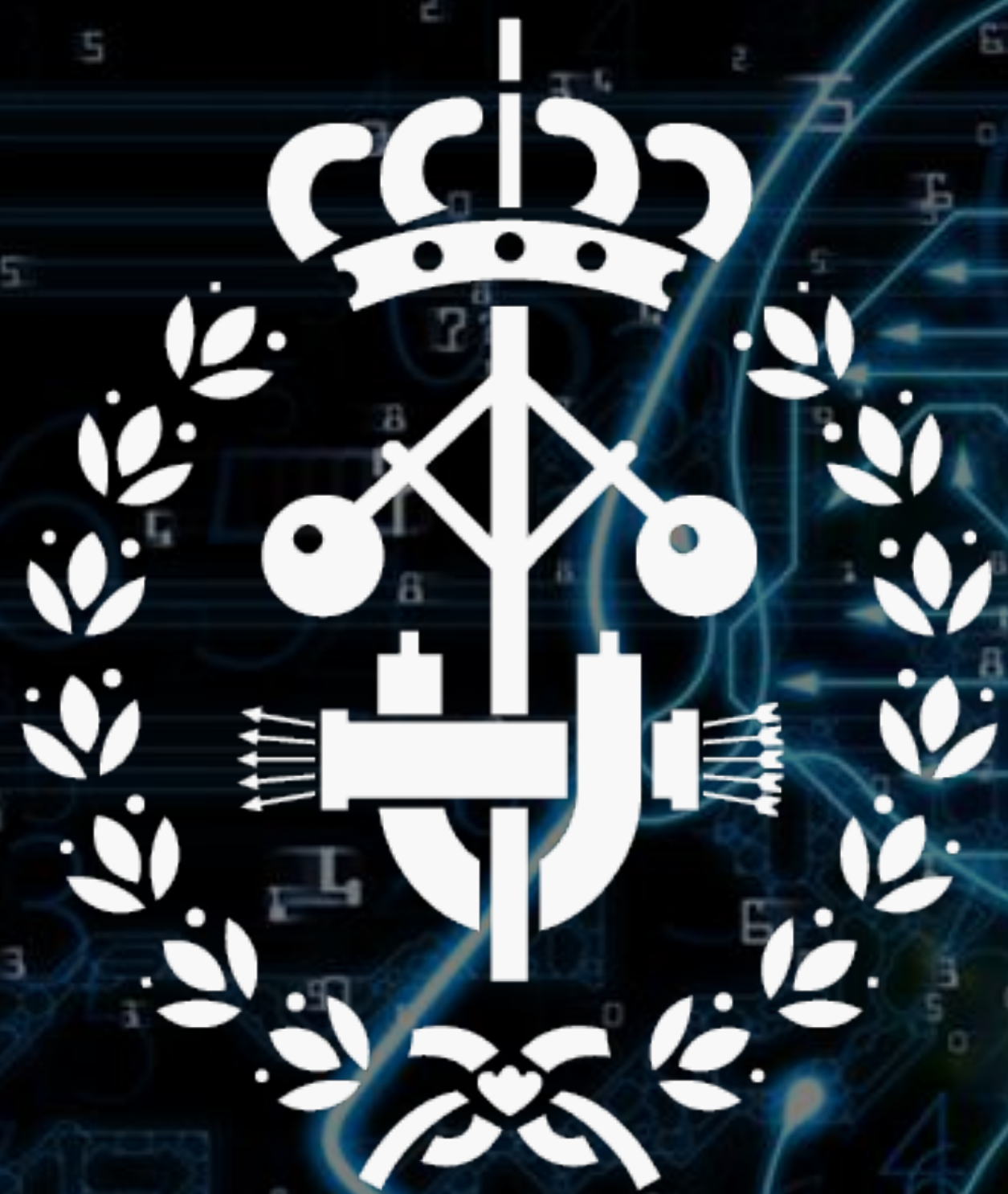
COLEGIO

INGENIEROS

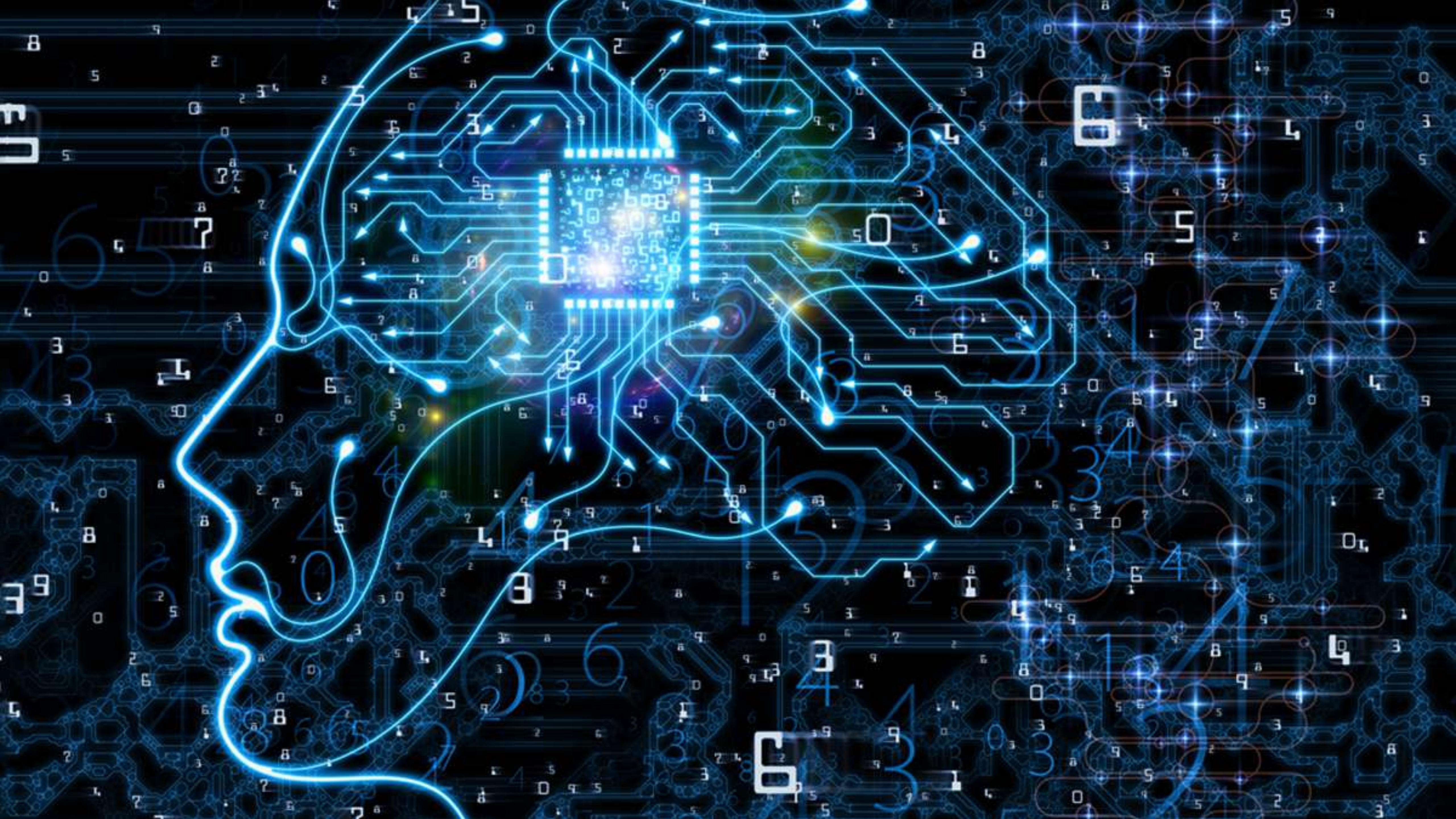
INDUSTRIALES

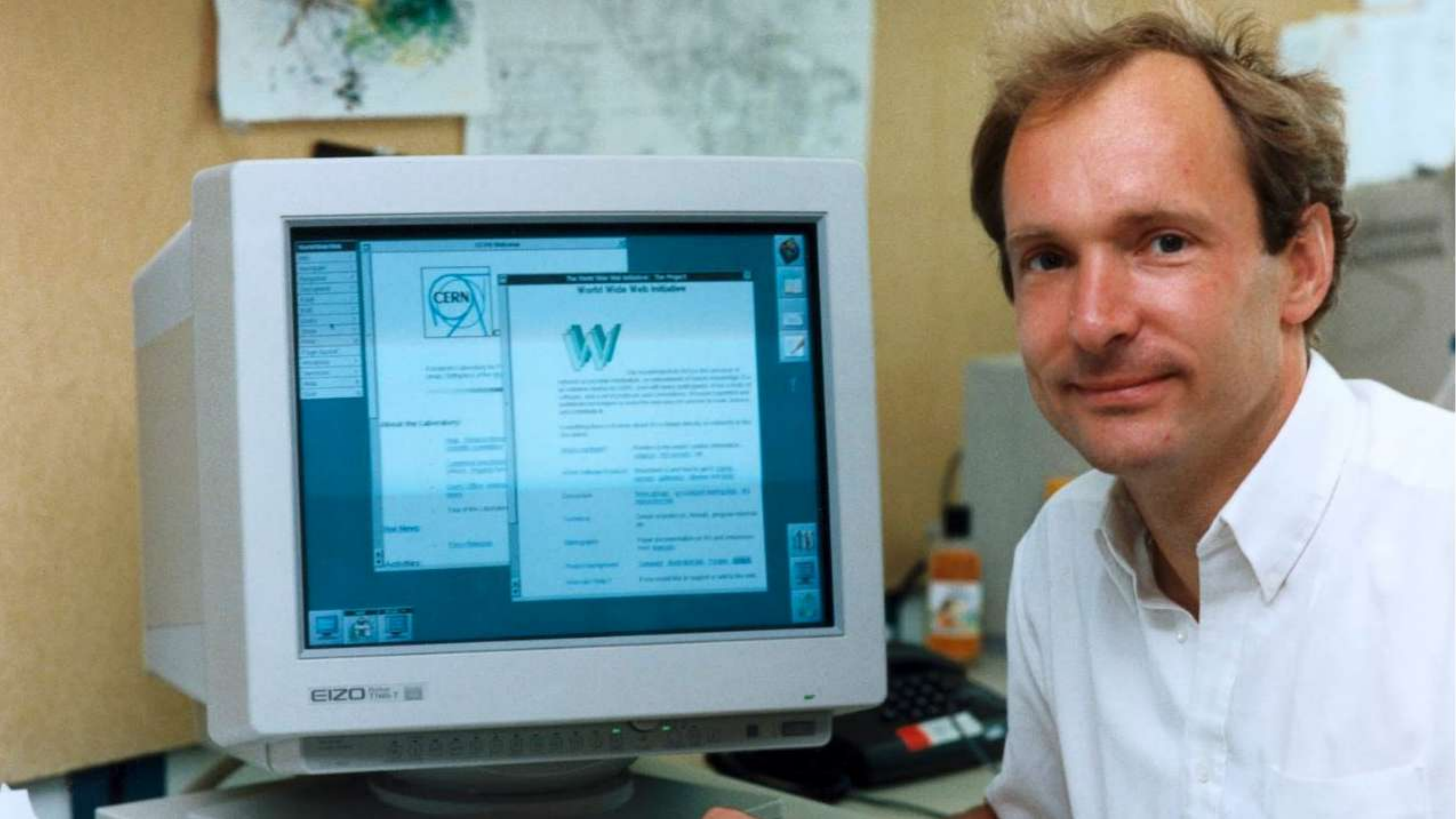
COMUNITAT VALENCIANA

Castellón, 24 de octubre de 2024



COLEGIO
INGENIEROS
INDUSTRIALES
COMUNITAT VALENCIANA







WORLD WIDE WEB

The WorldWideWeb (W3) is a wide-area hypermedia[1] information retrieval initiative aiming to give universal access to a large universe of documents.

Everything there is online about W3 is linked directly or indirectly to this document, including an executive summary[2] of the project, Mailing lists[3] , Policy[4] , November's W3 news[5] , Frequently Asked Questions[6] .

What's out there?[7]Pointers to the world's online information, subjects[8] , W3 servers[9], etc.

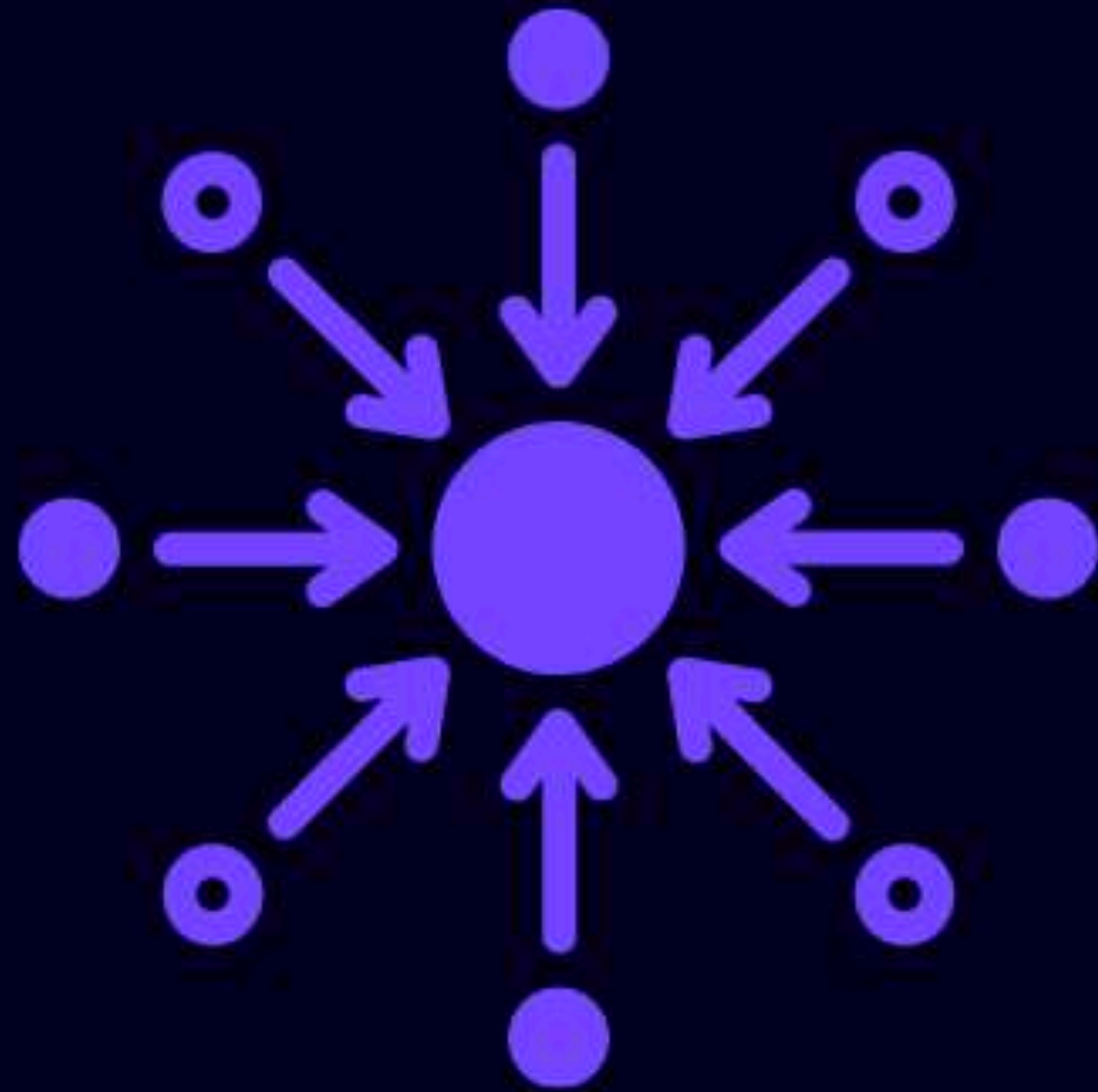
Help[10] on the browser you are using

Software Products[11] A list of W3 project components and their current state. (e.g. Line Mode[12] ,X11 Viola[13] , NeXTStep[14] , Servers[15] , Tools[16] , Mail robot[17] , Library[18])

Technical[19] Details of protocols, formats, program internals etc

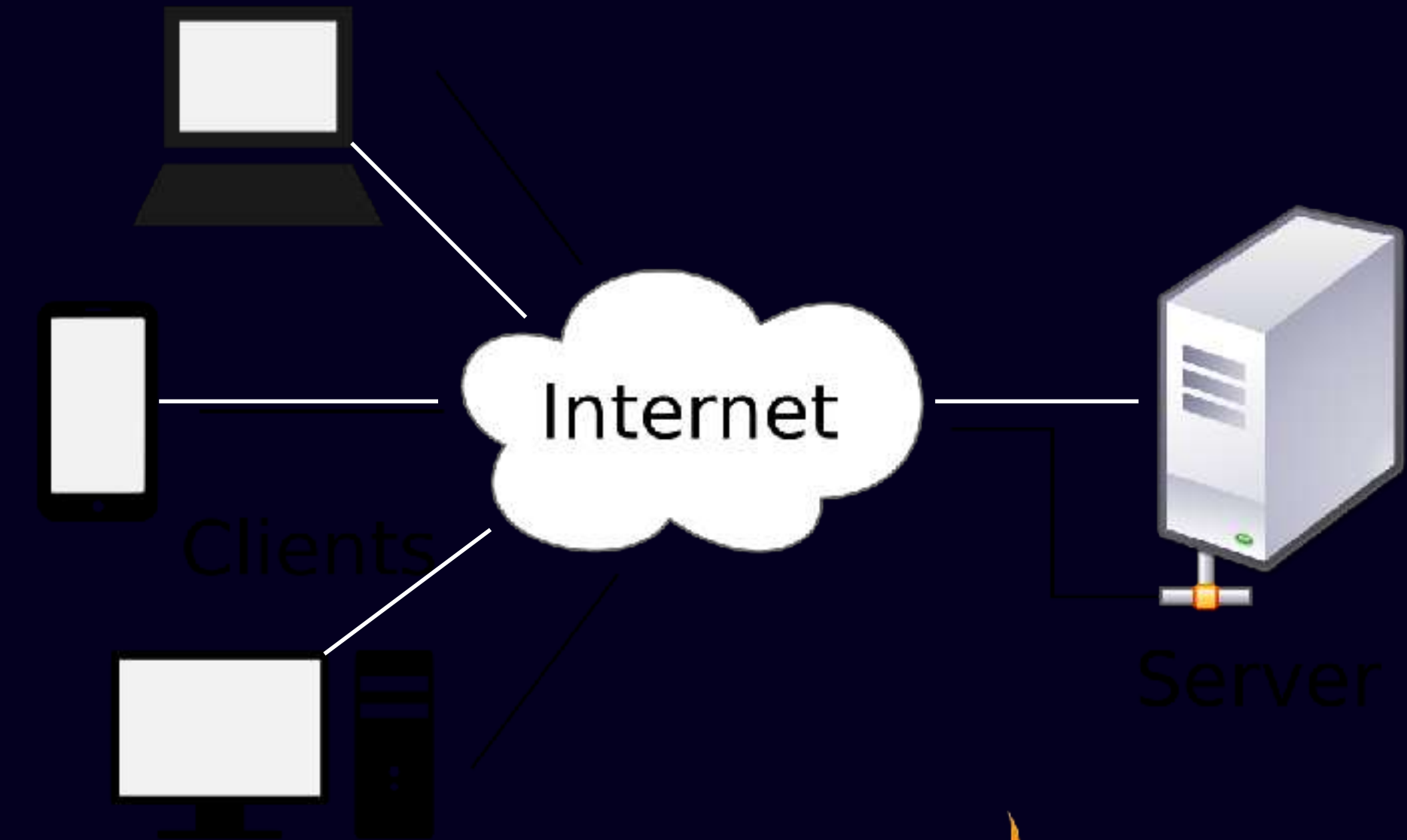
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Web 1.0



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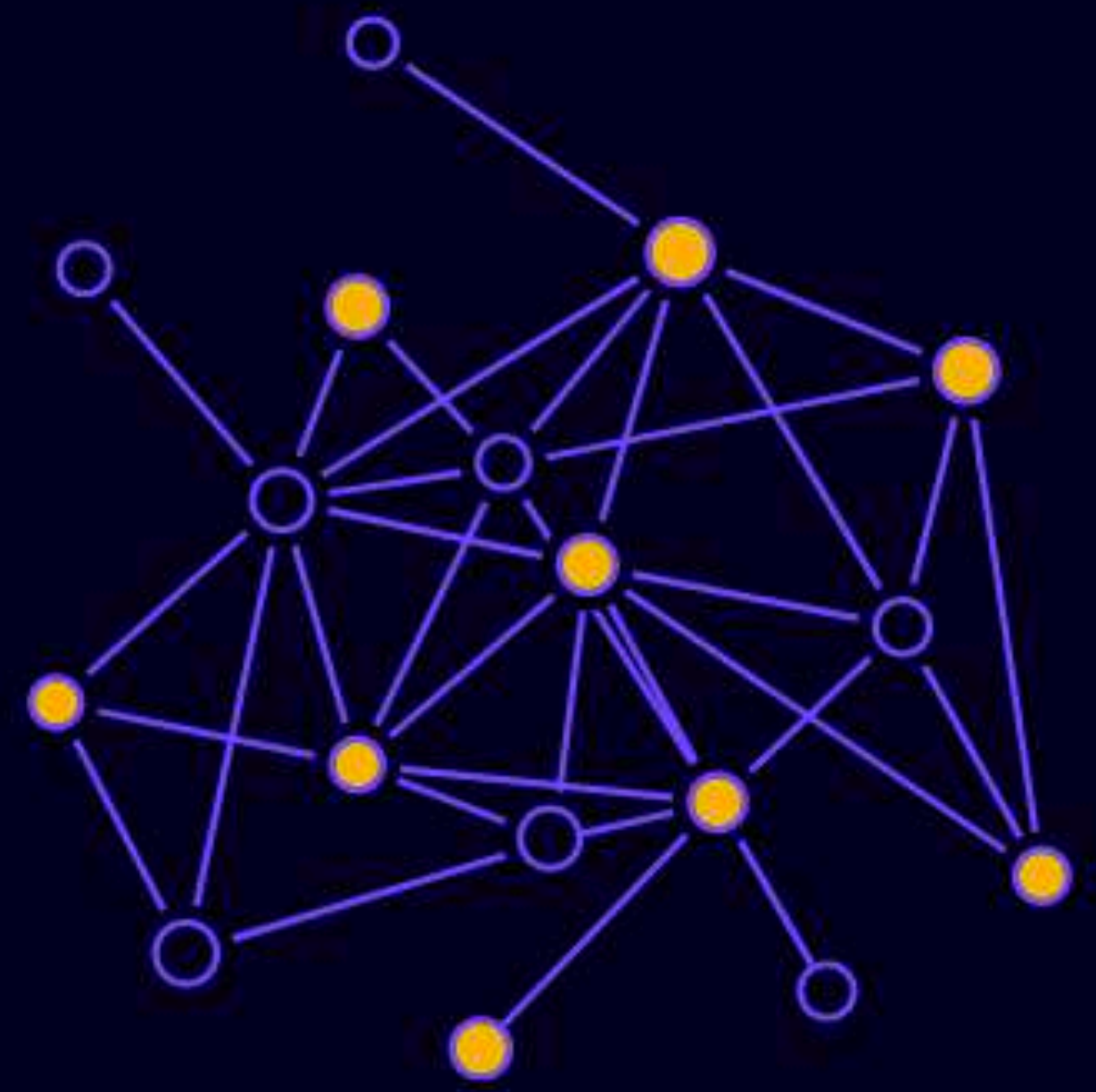
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<html>
<title>HTML</title>
<body>
This is HTML!
</body>
</html>
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Web 2.0

flickr

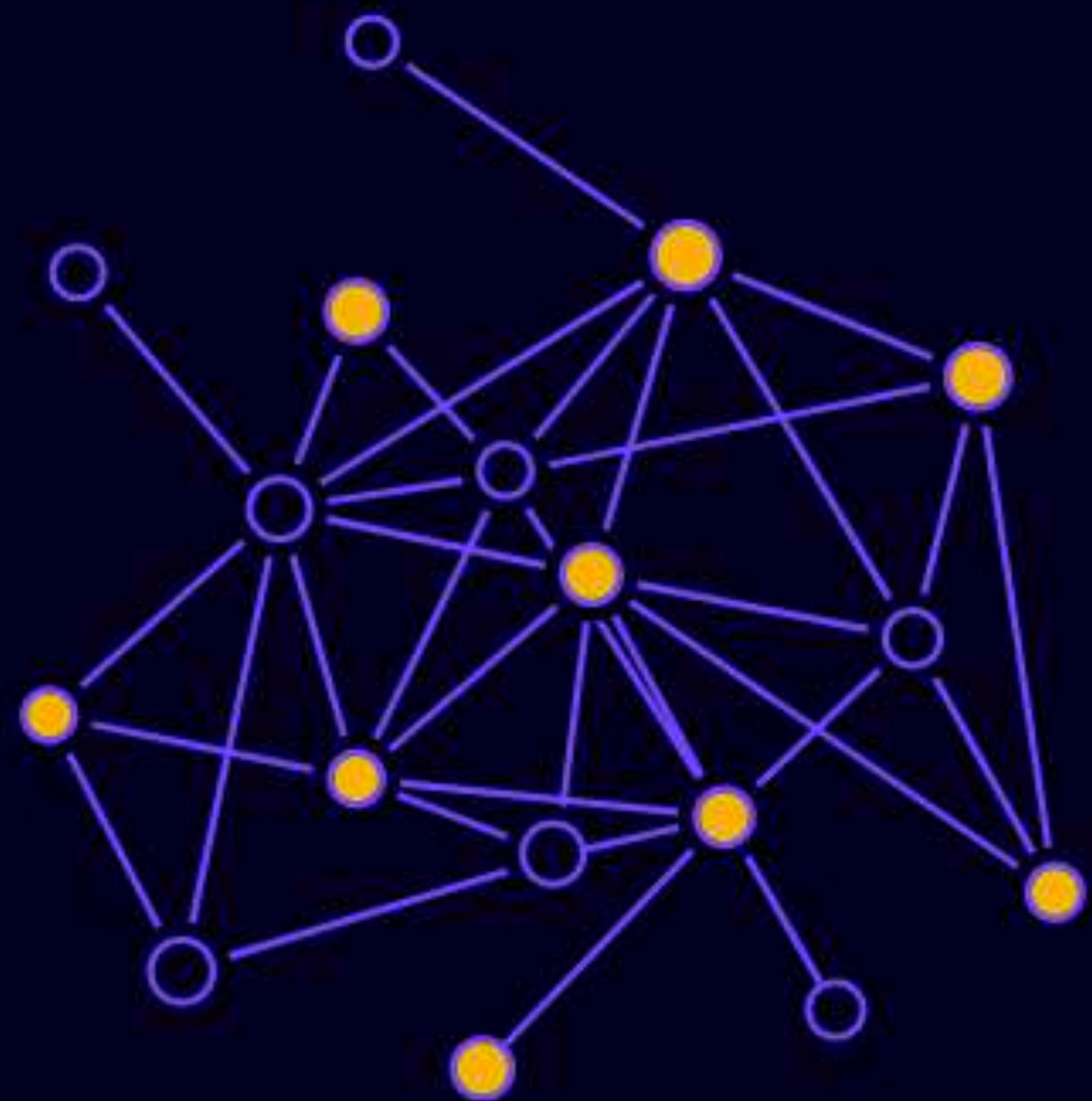
 YouTube



del.icio.us



Web 2.0



M eta 

A pple 

G oogle 

M icrosoft 

A mazon 

COMPANIES

Bitcoin: A Peer-to-Peer Electronic Cash System

Satoshi Nakamoto
satoshin@gmx.com
www.bitcoin.org

Abstract. A purely peer-to-peer version of electronic cash would allow online payments to be sent directly from one party to another without going through a financial institution. Digital signatures provide part of the solution, but the main benefits are lost if a trusted third party is still required to prevent double-spending. We propose a solution to the double-spending problem using a peer-to-peer network. The network timestamps transactions by hashing them into an ongoing chain of hash-based proof-of-work, forming a record that cannot be changed without redoing the proof-of-work. The longest chain not only serves as proof of the sequence of events witnessed, but proof that it came from the largest pool of CPU power. As long as a majority of CPU power is controlled by nodes that are not cooperating to attack the network, they'll generate the longest chain and outpace attackers. The network itself requires minimal structure. Messages are broadcast on a best effort basis, and nodes can leave and rejoin the network at will, accepting the longest proof-of-work chain as proof of what happened while they were gone.

1. Introduction

Commerce on the Internet has come to rely almost exclusively on financial institutions serving as trusted third parties to process electronic payments. While the system works well enough for most transactions, it still suffers from the inherent weaknesses of the trust based model. Completely non-reversible transactions are not really possible, since financial institutions cannot avoid mediating disputes. The cost of mediation increases transaction costs, limiting the minimum practical transaction size and cutting off the possibility for small casual transactions, and there is a broader cost in the loss of ability to make non-reversible payments for non-reversible services. With the possibility of reversal, the need for trust spreads. Merchants must be wary of their customers, hassling them for more information than they would otherwise need. A certain percentage of fraud is accepted as unavoidable. These costs and payment uncertainties can be avoided in person by using physical currency, but no mechanism exists to make payments over a communications channel without a trusted party.

What is needed is an electronic payment system based on cryptographic proof instead of trust, allowing any two willing parties to transact directly with each other without the need for a trusted

45
1841
00FF702
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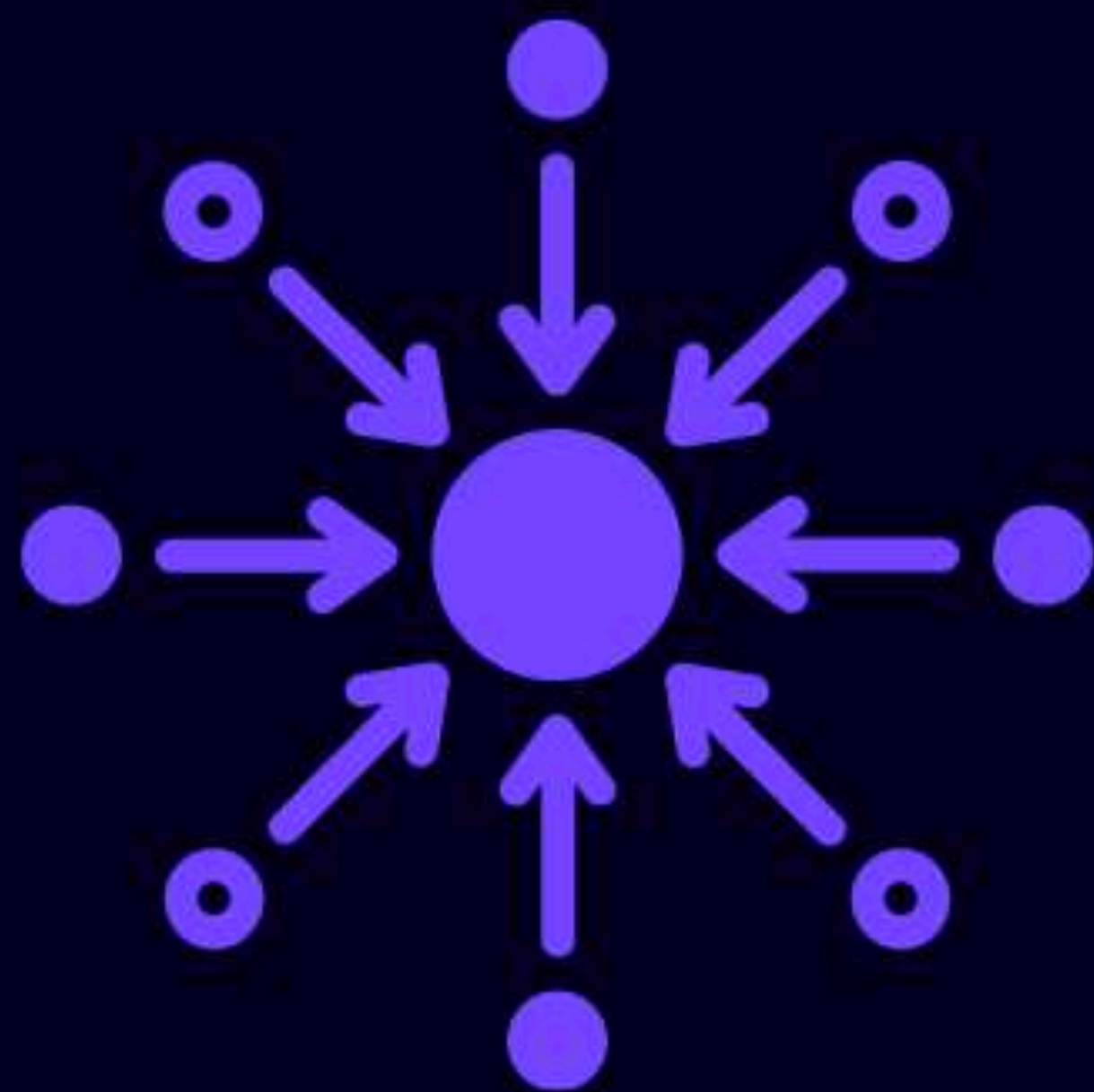
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64	57A3	BC	1A007D	61
E2048	F5	90	6E2074	63
7265	735090	1D	01	6E20
852	62	2F	470900AA206865	63
74	6F55	AB01	001020	2C20
1	773192A3	1210	C373	61
4	7221	3C	10	20
7	74AF81	F620	6F	63
0AA	6E0139	FC00	6C6420	69
368646F20	91AA	42	65	2073
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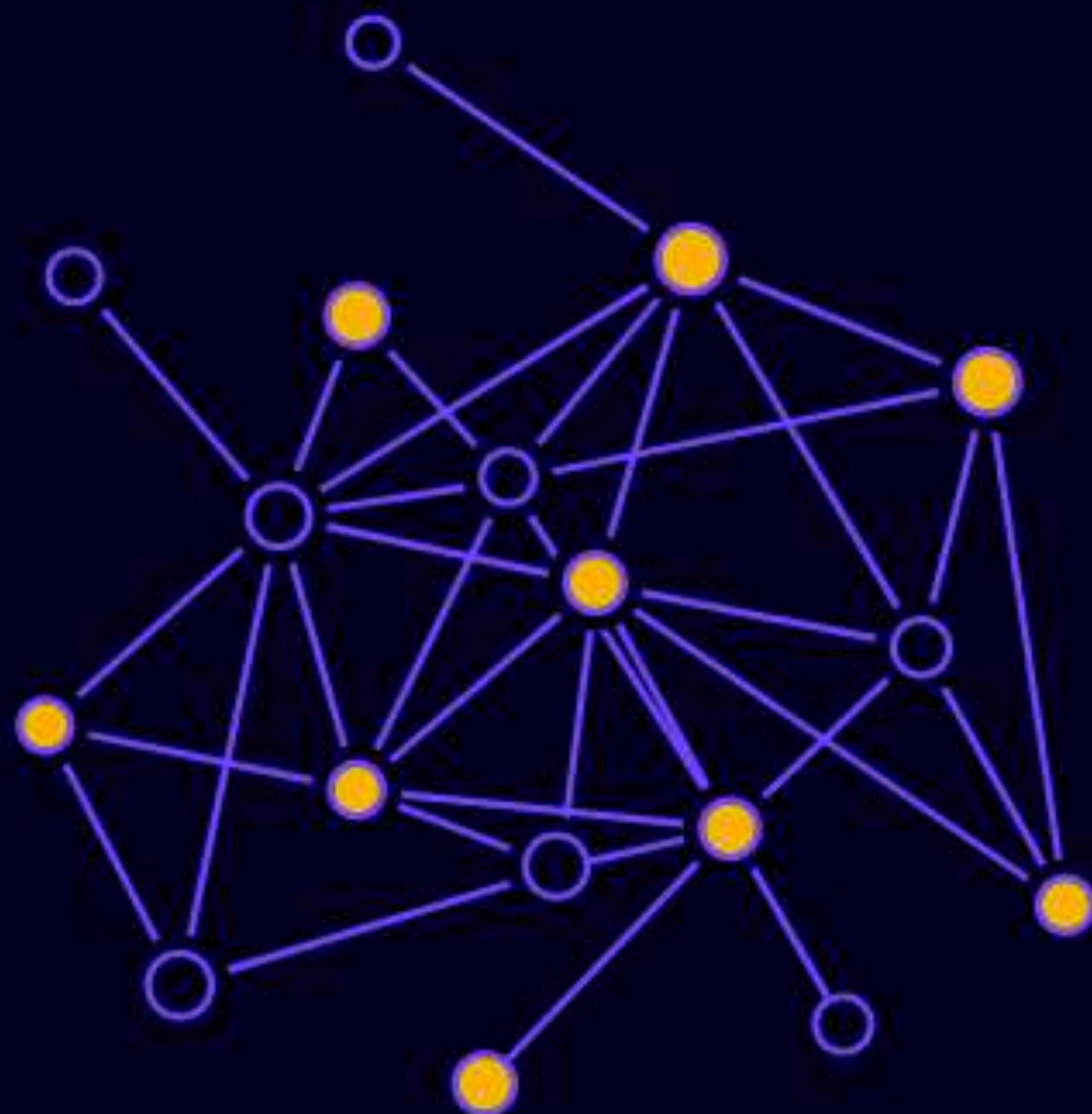


WEB3

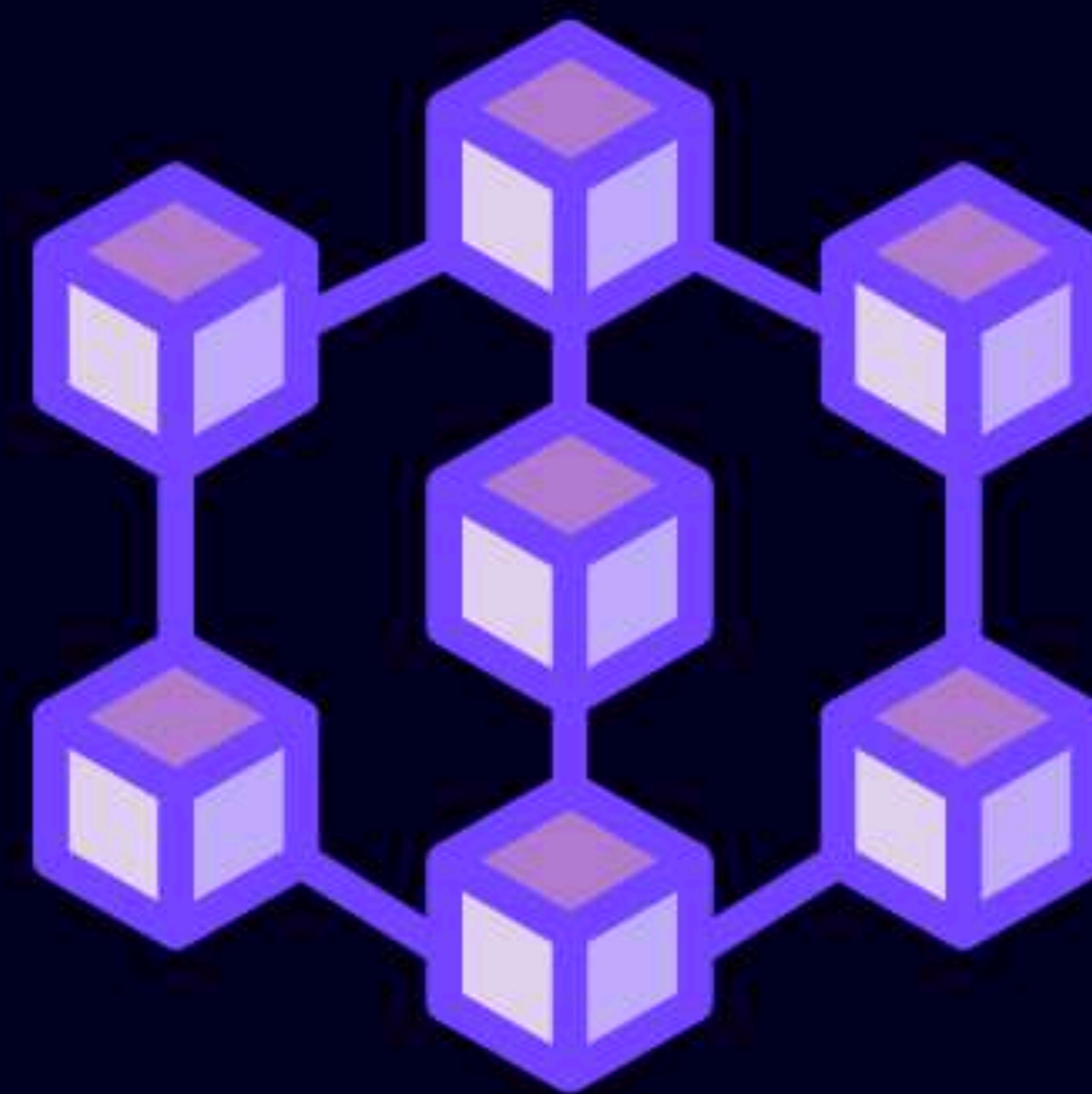
Web 1.0



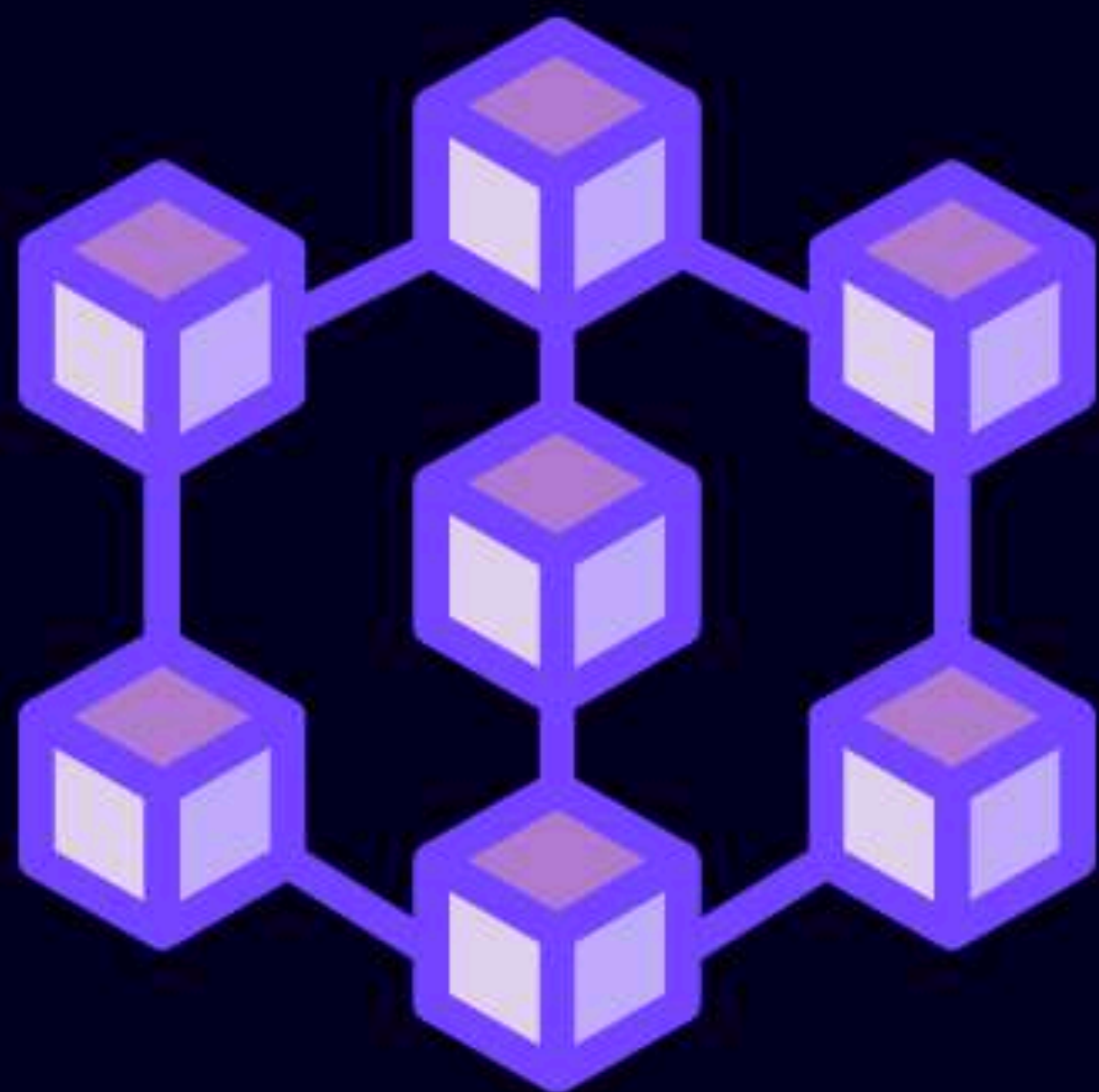
Web 2.0



Web 3.0



Web 3.0



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1101000110000100 100001011001001
1110 001001 0100 011000 1010 1
100010100010011 0110 110100110011
1100111 00 0101 1101 011010 11
001 1000 00 0110 00100101010 0
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00001011001001 10010010000111 010
011000 1010 10 01 1011 00 100
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101 011010 11 01010011 0011 010
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TCP/IP

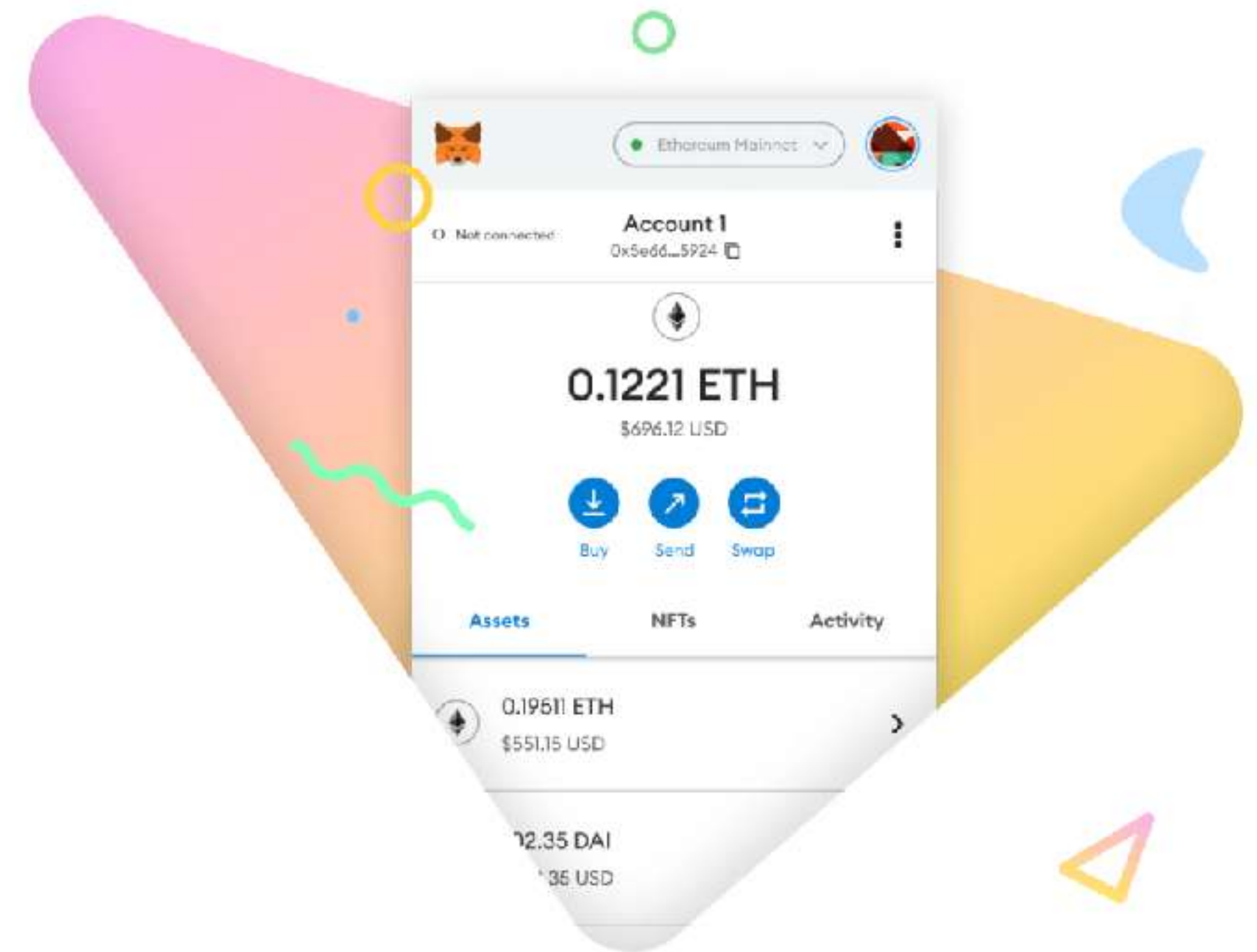




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LEARN MORE





Next, enter letters
of word #2



TOKEN





CRYPTO CURRENCY

NFT

NON-FUNGIBLE TOKEN



A stylized, glowing blue chain with a central handshake, symbolizing smart contracts. The chain is composed of interconnected nodes and lines, creating a mesh-like structure. The central handshake is formed by two hands reaching towards each other, with a cluster of nodes between them. The entire graphic is set against a dark blue background with a subtle grid pattern.

SMART CONTRACTS



Decentralized autonomous organizations (DAOs)

- Member-owned communities without centralized leadership.
- A safe way to collaborate with internet strangers.
- A safe place to commit funds to a specific cause.



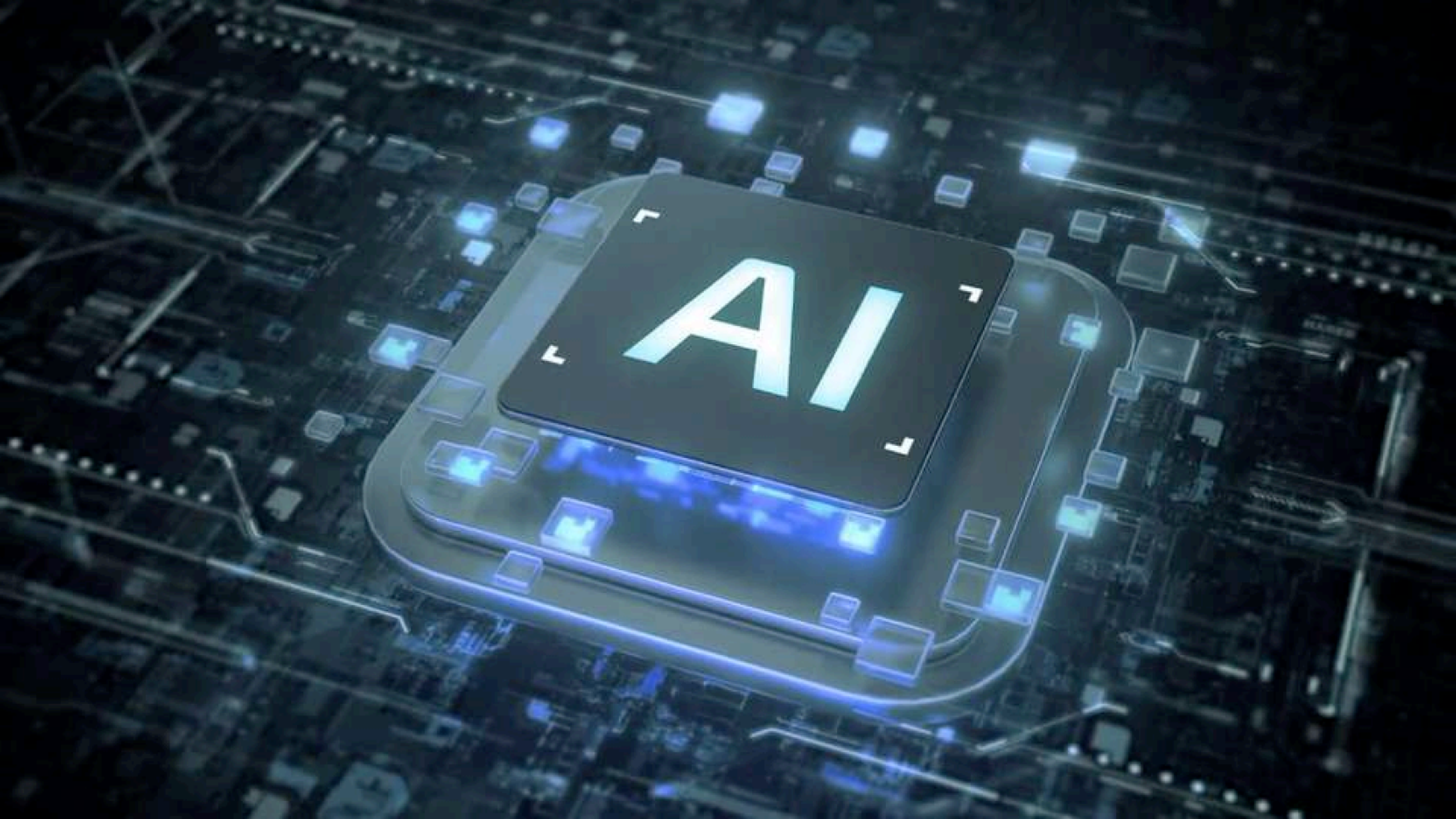
Decentralized autonomous organizations (DAOs)

What are DAOs?

DAOs are an effective and safe way to work with like-minded folks around the globe.

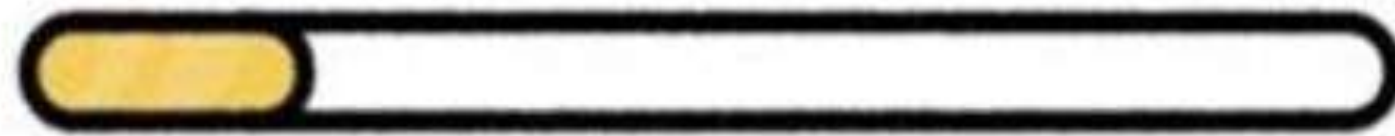
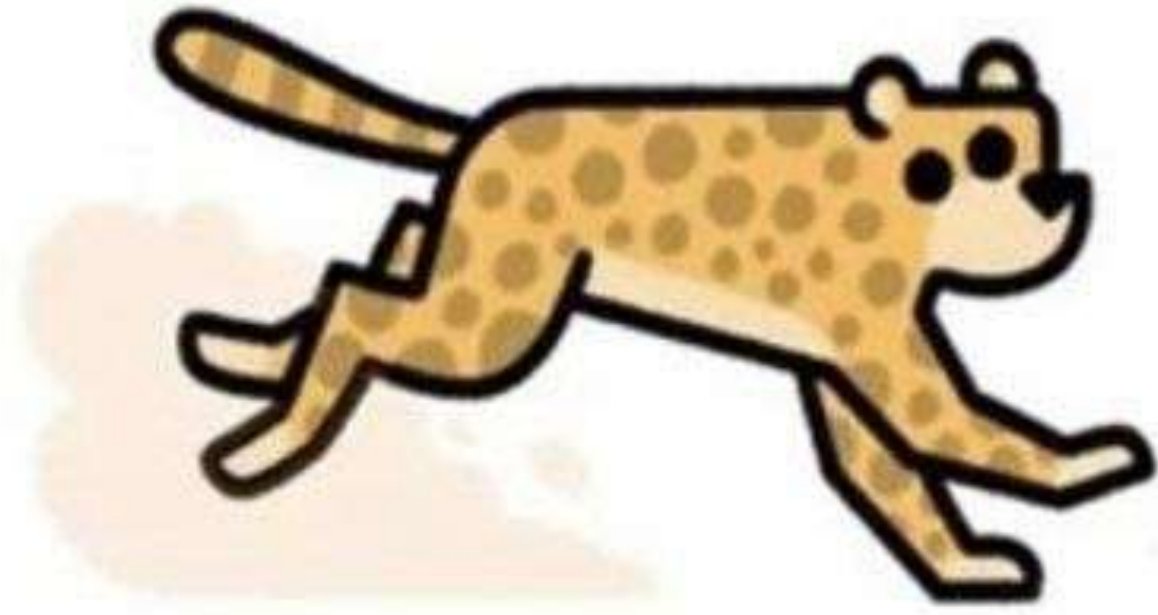
Think of them like an internet-native business that's collectively owned and managed by its members. They have built-in treasuries that no one has the authority to access without the approval of the group. Decisions are governed by proposals and voting to ensure everyone in the organization has a voice.

There's no CEO who can authorize spending based on their own whims and no chance of a dodgy CFO manipulating the books. Everything is out in the open and the rules around spending are baked into the DAO via its code.

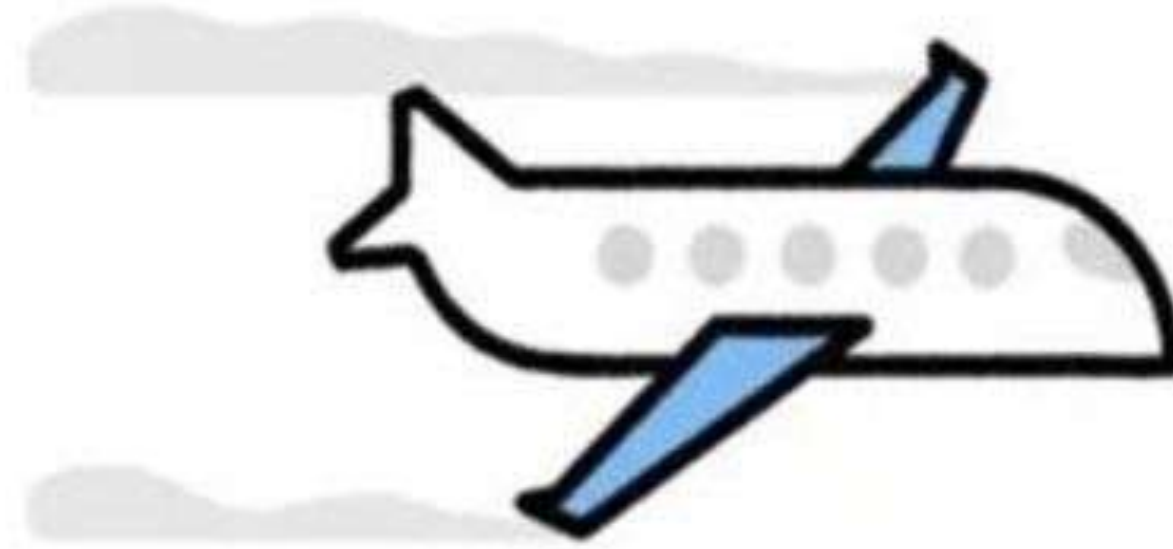


AI

THE FASTEST THINGS ON EARTH



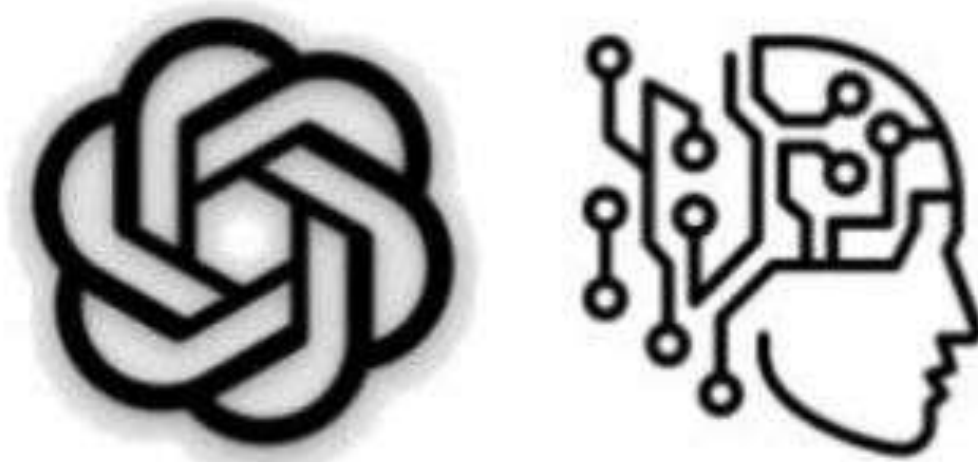
CHEETAH



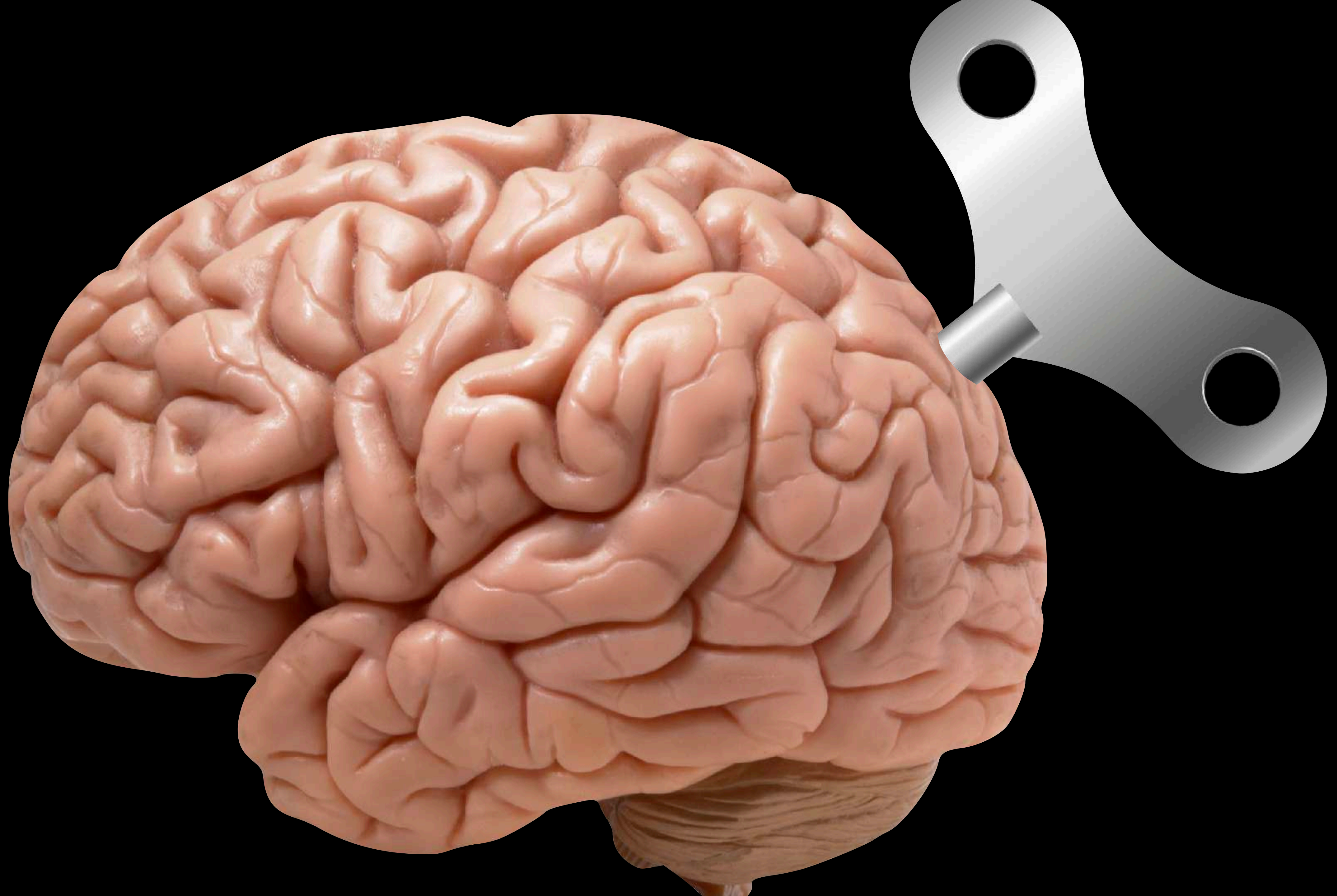
AIRPLANE



SPEED OF LIGHT



PEOPLE BECOMING EXPERTS IN AI



DALL·E 2

DALL·E 2 is an AI system that can create realistic images and art from a description in natural language.

[Try DALL·E](#)[Follow on Instagram](#)





OpenAI Says DALL-E Is Generating Over 2 Million Images a Day—and That's Just Table Stakes

By  Jason Dorrier > October 3, 2022



The venerable stock image site, Getty, boasts a catalog of [80 million images](#). Shutterstock, a rival of Getty, [offers 415 million images](#). It took a few decades to build up these prodigious libraries.

Now, it seems we'll have to redefine prodigious. In a [blog post](#) last week, OpenAI said its machine learning algorithm, DALL-E 2, is generating over two million images a day. At that pace, its output would equal Getty and Shutterstock combined in eight months. The algorithm is producing almost as many images daily as the entire collection of [free image](#)

FEATURED



**Did Life Evolve More Than Once?
Researchers Are Closing In on
an Answer**

June 1, 2023

[Load more >](#)

ARTIFICIAL INTELLIGENCE / TECH / LAW

Getty Images sues AI art generator Stable Diffusion in the US for copyright infringement



An illustration from Getty Images' lawsuit, showing an original photograph and a similar image (complete with Getty Images watermark) generated by Stable Diffusion. Image: Getty Images

/ Getty Images has filed a case against Stability AI, alleging that the company copied 12 million images to train its AI model 'without permission ... or compensation.'

By [James Vincent](#), a senior reporter who has covered AI, robotics, and more for eight years at The Verge.

Feb 6, 2023, 5:56 PM GMT+1 | [16 Comments](#) / [16 New](#)



Getty Images has filed a lawsuit in the US against Stability AI, creators of open-source AI art generator Stable Diffusion, escalating its legal battle against the firm.

The stock photography company is accusing Stability AI of "brazen infringement of Getty Images' intellectual property on a staggering



Web scraping is legal, US appeals court reaffirms

Zack Whittaker @zackwhittaker / 1 year



Good news for archivists, academics, researchers and journalists: Scraping publicly accessible data is legal, according to a U.S. appeals court ruling.

The landmark ruling by the U.S. Ninth Circuit of Appeals is the latest in a long-running legal battle brought by LinkedIn aimed at stopping a rival company from web scraping personal information from users' public profiles. The case [reached the U.S. Supreme Court](#) last year but was sent back to the Ninth Circuit for the original appeals court to re-review the case.

In its second ruling on Monday, the Ninth Circuit reaffirmed its original decision and found that scraping data that is publicly accessible on the internet is not a violation of [the](#)






Now Available: V3 Alpha Access for Pro & Premier 🤖

Help us test and improve V3

- **Make a song about the moon.**

SUNO

- Home
- Create
- Library
- Explore
- Search

 Invite Friends

540 Credits

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What's New? 20

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About

Careers

Notifications



Custom v3.5

Song description  Instrumental

Un rock 'n roll rápido, animado y pegadizo sobre una conferencia de Enrique Dans en Castellón sobre la Web 3 y la inteligencia artificial en los entornos industriales del futuro

177 / 200

 Create

Need ideas?

Person

Make a song about your mom, partner, best friend, or anyone else in your life.

Special Occasions

Make a song to celebrate a birthday, holiday, or other special life events.

Moods

Make a song to chill to, get hype to, or any vibe you want to feel.

Activity

Make a song to jam to at your next group hangout or party.



1:49

Data y Flow v3.5

reggaetón auto-tune rítmica

Extend

Public



1:58

Data y Flow v3.5

reggaetón auto-tune rítmica

Extend

Public



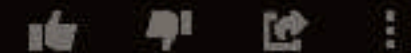
3:26

Gobierno del Dato y IA v3.5

heavy metal clásico riffs contundentes voces de sgarradoras

Extend

Public



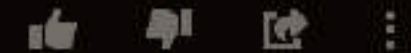
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Gobierno del Dato y IA v3.5

heavy metal clásico riffs contundentes voces de sgarradoras

Extend

Public



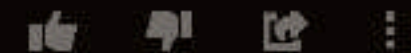
2:51

Think Like A Futurist v3.5

rock 'n roll gritty raw

Extend

Public



2:49

Think Like A Futurist v3.5

rock 'n roll gritty raw

Extend

Public



2:50

Conferencia en Zaragoza v3.5

rock 'n roll animado energético

Extend

Public



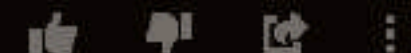
2:02

Conferencia en Zaragoza v3.5

rock 'n roll animado energético

Extend

Public



3:07

Al Filo del Futuro v3.5

rápido animado rock

Extend

Public



2:36

Al Filo del Futuro v3.5

rápido animado rock

Extend

Public



2:36

Conferencia de Futuro v3.5

rápido rock'n roll animado

Extend

Public



2:13

Conferencia de Futuro v3.5

rápido rock'n roll animado

Extend

Public





Conferencia Robot

rápido rock 'n roll animado

[Verse]

Enrique Dans al escenario subió
Con palabras de futuro nos impactó
Habló de la Web 3 y de robots
Castellón a un nuevo mundo nos llevó

[Verse 2]

SUNO



Artificial Intelligence

Music labels sue AI companies Suno, Udio for US copyright infringement

By Blake Brittain

June 24, 2024 8:59 PM GMT+2 · Updated 2 days ago



Universal Music Group logo and stock graph seen displayed in this illustration taken, May 3, 2022. REUTERS/Dado Ruvic/Illustration/File Photo [Purchase Licensing Rights](#)

June 24 (Reuters) - Major record labels Sony Music ([6758.T](#)) and Universal Music Group ([UMG.AS](#)) and Warner Records ([WMG.O](#)) sued artificial intelligence companies Suno and Udio on Monday, accusing them of committing mass copyright infringement by using the labels' recordings to train music-generating AI systems.



...commentary in snack-sized mouthfuls

"I want AI to do my laundry and dishes so that I can do art and writing, not for AI to do my art and writing so that I can do my laundry and dishes."

Author and videogame enthusiast **Joanna Maciejewska** nails it (although bathroom cleaning goes ahead of laundry and dishes)

"I'm sure I deserve
a lot of

Blog

Introducing ChatGPT

We've trained a model called ChatGPT which interacts in a conversational way. The dialogue format makes it possible for ChatGPT to answer followup questions, admit its mistakes, challenge incorrect premises, and reject inappropriate requests.

[Try ChatGPT](#)[Read about ChatGPT Plus](#)

Internet Sensation ChatGPT Crosses 1 Million Users In 5 Days

California-based OpenAI's newest prototype ChatGPT has left people wanting more

BY [PAROMITA GUPTA](#) • DEC 5, 2022

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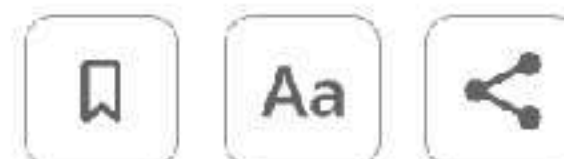




ChatGPT sets record for fastest-growing user base - analyst note

By Krystal Hu

February 2, 2023 4:33 PM GMT+1 · Updated 9 months ago



Feb 1 (Reuters) - ChatGPT, the popular chatbot from OpenAI, is estimated to have reached 100 million monthly active users in January, just two months after launch, making it the fastest-growing consumer application in history, according to a UBS study on Wednesday.

The report, citing data from analytics firm Similarweb, said an average of about 13 million unique visitors had used ChatGPT per day in January, more than double the levels of December.

"In 20 years following the internet space, we cannot recall a faster ramp in a consumer internet app," UBS analysts wrote in the note.


It took TikTok about nine months after its global launch to reach 100 million users and Instagram 2-1/2 years, according to data from Sensor Tower.

ChatGPT can generate articles, essays, jokes and even poetry in response to prompts. OpenAI, a private company backed by Microsoft Corp (MSFT.O), made it available to the public for free in late November.




TIME

T Hi ChatGPT

 Hello! How can I assist you today?

T What do you think of a TIME cover story with the title, "The AI Arms Race Is Changing Everything?"

 As an AI language model, I don't have personal opinions or beliefs, but I can provide some context and information on the subject.

"The AI Arms Race is Changing Everything" could be an attention-grabbing and thought-provoking title for a cover story on AI. A cover story in a widely-read publication like TIME could help raise public awareness about the potential risks and benefits of this trend, and stimulate discussions on how to ensure that AI is developed and deployed in a responsible and ethical manner.

It's important to note that the title of the story could also be interpreted as sensationalist or alarmist, and may not accurately reflect the complexities ■

by
ANDREW R. CHOW
& BILLY PERRIGO
(humans)

GPT-4 has passed the Turing test, researchers claim

News By Drew Turney published 23 hours ago

Most people couldn't distinguish ChatGPT from a human responder, suggesting the famous Turing test has been passed for the first time.



(Image credit: Jesussanz/Getty Images)

We are interacting with artificial intelligence (AI) online not only more than ever — but more than we realize — so researchers asked people to converse with four agents, including one human and three different kinds of AI models, to see whether they could tell the difference.

The "Turing test," first proposed as "the imitation game" by computer scientist Alan Turing in 1950, judges whether a machine's ability to show intelligence is indistinguishable from a human. For a machine to pass the Turing test, it must be able to talk to somebody and fool them into thinking it is human.



Sources

Select all sources

Does the automotive i...

Electric cars and mas...

Here's my experience ...

It looks like China is a...

Jim Farley just got a v...

The internal combusti...

When it comes to EVs,...

Why can't traditional ...

Within a decade, we ...

Add note

* Notebook guide

Help me create

FAQ

Study Guide

Table of Contents

Timeline

Briefing Doc

Audio Overview

EVs podcast



00:00 / 11:08

Suggested questions

What are the major factors driving the adoption of electric vehicles and what are the main obstacles to wider acceptance?

How is the rise of electric vehicles impacting the traditional automotive industry and what are the key challenges and opportunities for traditional players?

How does the future of the automotive industry look, and what are the potential societal and economic implications of the transition to electric vehicles?

Summary

These excerpts from Enrique Dans' Medium articles focus on the future of the automotive industry and the rapid rise of electric vehicles (EVs). Dans argues that EVs are becoming increasingly popular due to their superior performance, lower running costs, and environmental benefits. He criticizes the traditional automotive industry for its slow adoption of EVs, its reliance on outdated technologies, and its continued promotion of hybrid vehicles as a viable solution. Dans believes that EVs are a superior technology and will soon dominate the market, leading to a significant decrease in the demand for fossil fuels and a cleaner, quieter world.

View Chat

9 sources

Start typing...



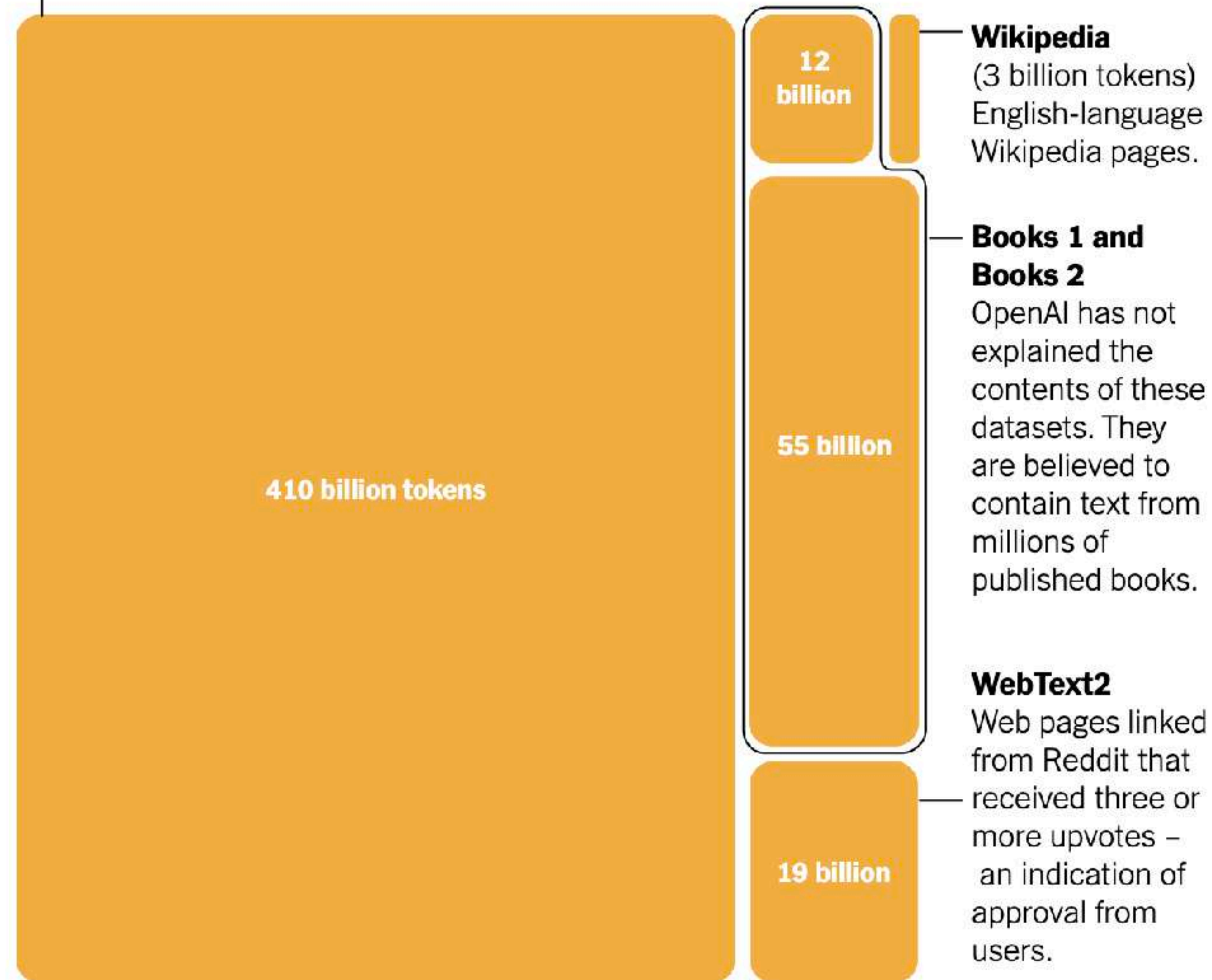
* Notebook guide

The Data Inside GPT-3

OpenAI's groundbreaking A.I. model was trained on billions of websites, books and Wikipedia articles collected from across the internet. OpenAI did not share the data it used to train its recent models.

Common Crawl

Text from web pages collected since 2007.



Wikipedia
(3 billion tokens)
English-language
Wikipedia pages.

**Books 1 and
Books 2**
OpenAI has not
explained the
contents of these
datasets. They
are believed to
contain text from
millions of
published books.

WebText2
Web pages linked
from Reddit that
received three or
more upvotes –
an indication of
approval from
users.

Source: OpenAI • By The New York Times

ChatGPT



Examples

"Explain quantum computing in simple terms" →

"Got any creative ideas for a 10 year old's birthday?" →

"How do I make an HTTP request in Javascript?" →



Capabilities

Remembers what user said earlier in the conversation

Allows user to provide follow-up corrections

Trained to decline inappropriate requests



Limitations

May occasionally generate incorrect information

May occasionally produce harmful instructions or biased content

Limited knowledge of world and events after 2021

Send a message.



20:55



Enrique Dans, experto digital.



¿Pero está casado?



Sí, Enrique Dans está casado. Su esposa es María Benjumea, empresaria y fundadora de Spain Startup, una organización que se dedica a apoyar a emprendedores y startups en España.



Here's What Happens When Your Lawyer Uses ChatGPT

A lawyer representing a man who sued an airline relied on artificial intelligence to help prepare a court filing. It did not go well.

Give this article



1.1K



As an Avianca flight approached Kennedy International Airport in New York, a serving cart collision began a legal saga, prompting the question: Is artificial intelligence so smart? Nicolas Economou/NurPhoto, via Getty Images



By **Benjamin Weiser**

May 27, 2023

The lawsuit began like so many others: A man named Roberto Mata sued the airline Avianca, saying he was injured when a metal serving cart struck his knee during a flight to Kennedy International Airport in New York.

When Avianca asked a Manhattan federal judge to toss out the case, Mr. Mata's lawyers vehemently objected, submitting a 10-page brief that cited more than half a dozen relevant court decisions. There was *Martinez v. Delta Air Lines*, *Zicherman v. Korean Air Lines* and, of course, *Varghese v. China Southern Airlines*, with its learned discussion of federal law and "the tolling effect of the automatic stay on a statute of limitations."

There was just one hitch: No one — not the airline's lawyers, not even the judge himself — could find the decisions or the quotations cited and summarized in the brief.

That was because ChatGPT had invented everything.

The lawyer who created the brief, Steven A. Schwartz of the firm Levidow, Levidow & Oberman, threw himself on the mercy of the court on Thursday, saying in an affidavit that he had used the artificial intelligence program to do his legal research — "a source that has revealed itself to be unreliable."

Mr. Schwartz, who has practiced law in New York for three decades, told Judge P. Kevin Castel that he had no intent to deceive the court or the airline. Mr. Schwartz said that he had never used ChatGPT, and "therefore was unaware of the possibility that its content could be false."

Cow

Height: 1.7 meter

Length: 5.2 meter



Technology
The Circuit

Microsoft CEO Says AI Is a Tidal Wave as Big as the Internet

Satya Nadella and OpenAI's Sam Altman discuss their alliance on The Circuit With Emily Chang.



Satya Nadella on AI



Gift this article

In this Article

MICROSOFT CORP

316.88 USD

▼ -1.10%

OPENAI INC

Private Company

ALPHABET INC-A

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By [Emily Chang](#)

17 de agosto de 2023 at 16:00 CEST

Listen 2:40

In 1995, Microsoft Corp. co-founder Bill Gates sent a memo calling the internet a “tidal wave” that would be crucial to every part of the company’s business. Nearly two decades later, Microsoft’s current leader, Satya Nadella, said he believes the impact of artificial intelligence will be just as profound.

“The Bill memo in 1995, it does feel like that to me,” Nadella said on this week’s episode of *The Circuit With Emily Chang*. “I think it’s as



WHAT IS ARTIFICIAL INTELLIGENCE?

Machine Learning

Using sample data to train computer programs to recognize patterns based on algorithms.



Neural Networks

Computer systems designed to imitate the neurons in a brain.



Natural Language Processing

The ability to understand speech, as well as understand and analyze documents.



Robotics

Machines that can assist people without actual human involvement.







Reglas



Datos



Programación
clásica



Respuestas

Datos



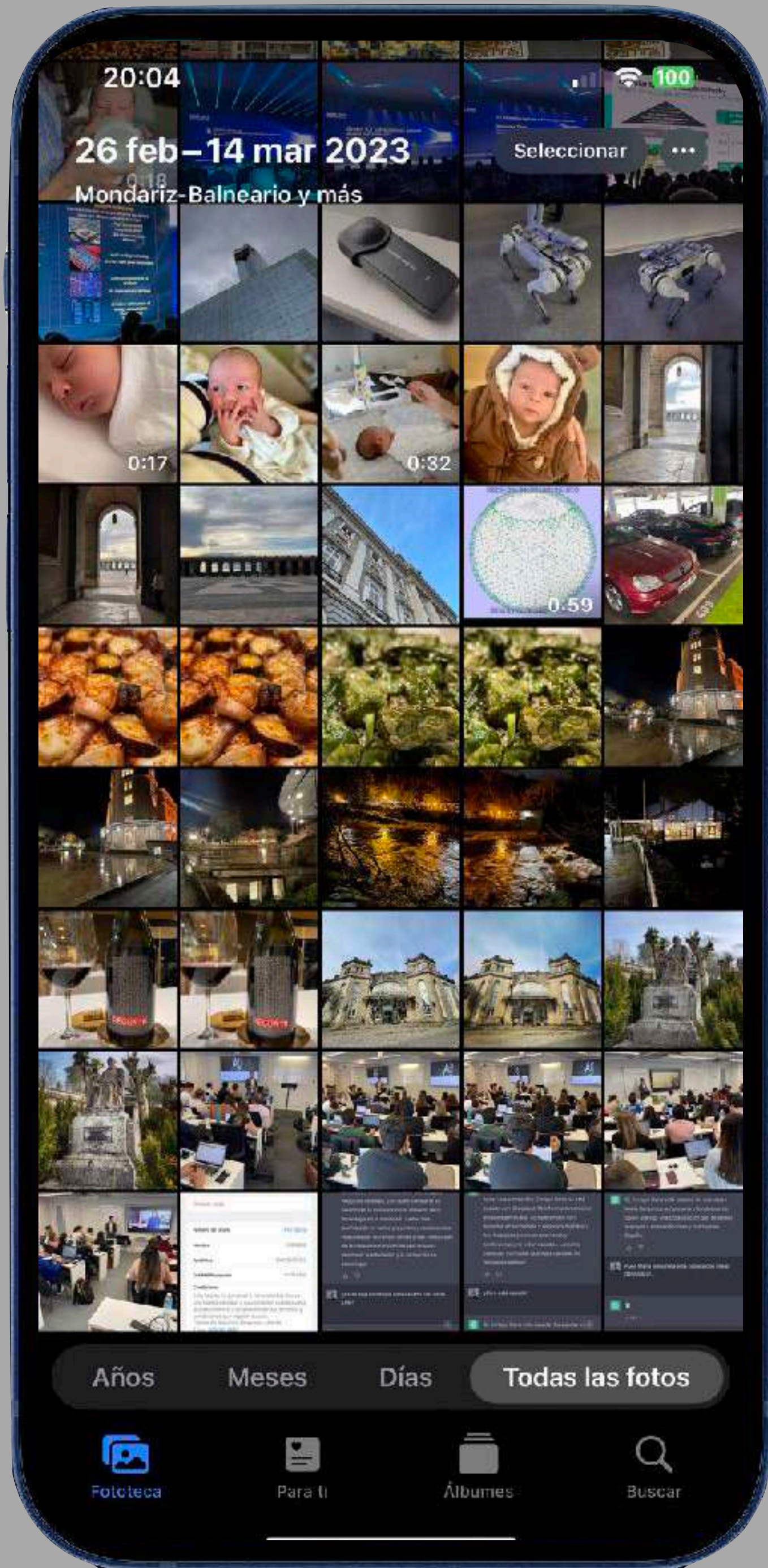
Respuestas



Machine
Learning



Reglas



WHEN A USER TAKES A PHOTO,
THE APP SHOULD CHECK WHETHER
THEY'RE IN A NATIONAL PARK...

SURE, EASY GIS LOOKUP.
GIMME A FEW HOURS.

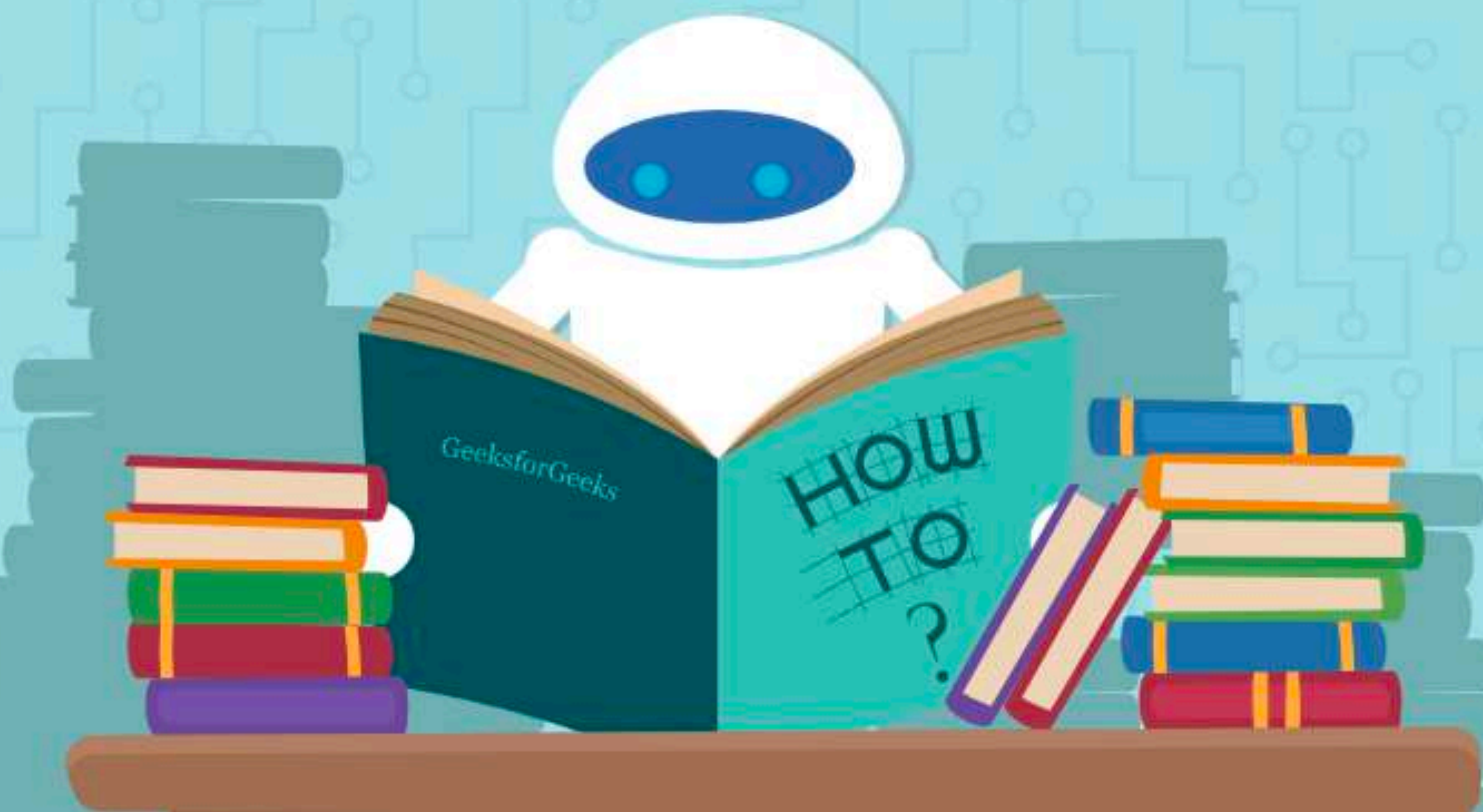
... AND CHECK WHETHER
THE PHOTO IS OF A BIRD.

I'LL NEED A RESEARCH
TEAM AND FIVE YEARS.



IN CS, IT CAN BE HARD TO EXPLAIN
THE DIFFERENCE BETWEEN THE EASY
AND THE VIRTUALLY IMPOSSIBLE.

MACHINE LEARNING



E MOSIDO

A window with a metal grid. Inside the window, a newspaper is visible, with some text and images partially obscured by the grid. The newspaper appears to be from a Spanish-speaking region, possibly Mexico, given the context of the graffiti.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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ENGañADO

P



MaaS

Machine Learning as a Service



Low-code/No-code vs Custom App Development



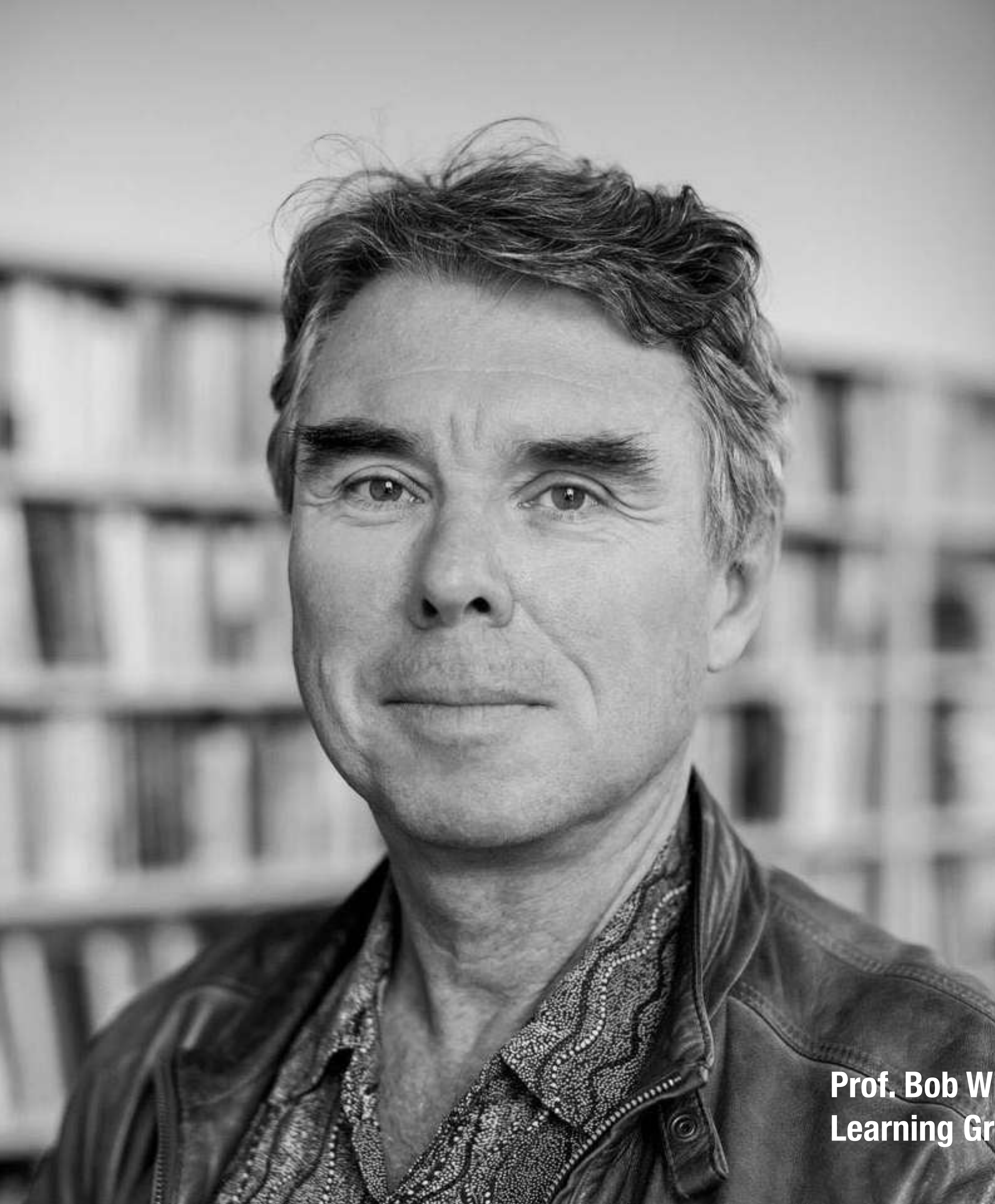
Custom-Code



Low-Code



No-Code



**“... alguien conseguira
hacer el machine
learning tan
democrático como las
hojas de cálculo
hicieron con el álgebra
matricial.”**

**Prof. Bob Williamson, Leader of the Machine
Learning Group at National ICT Australia**

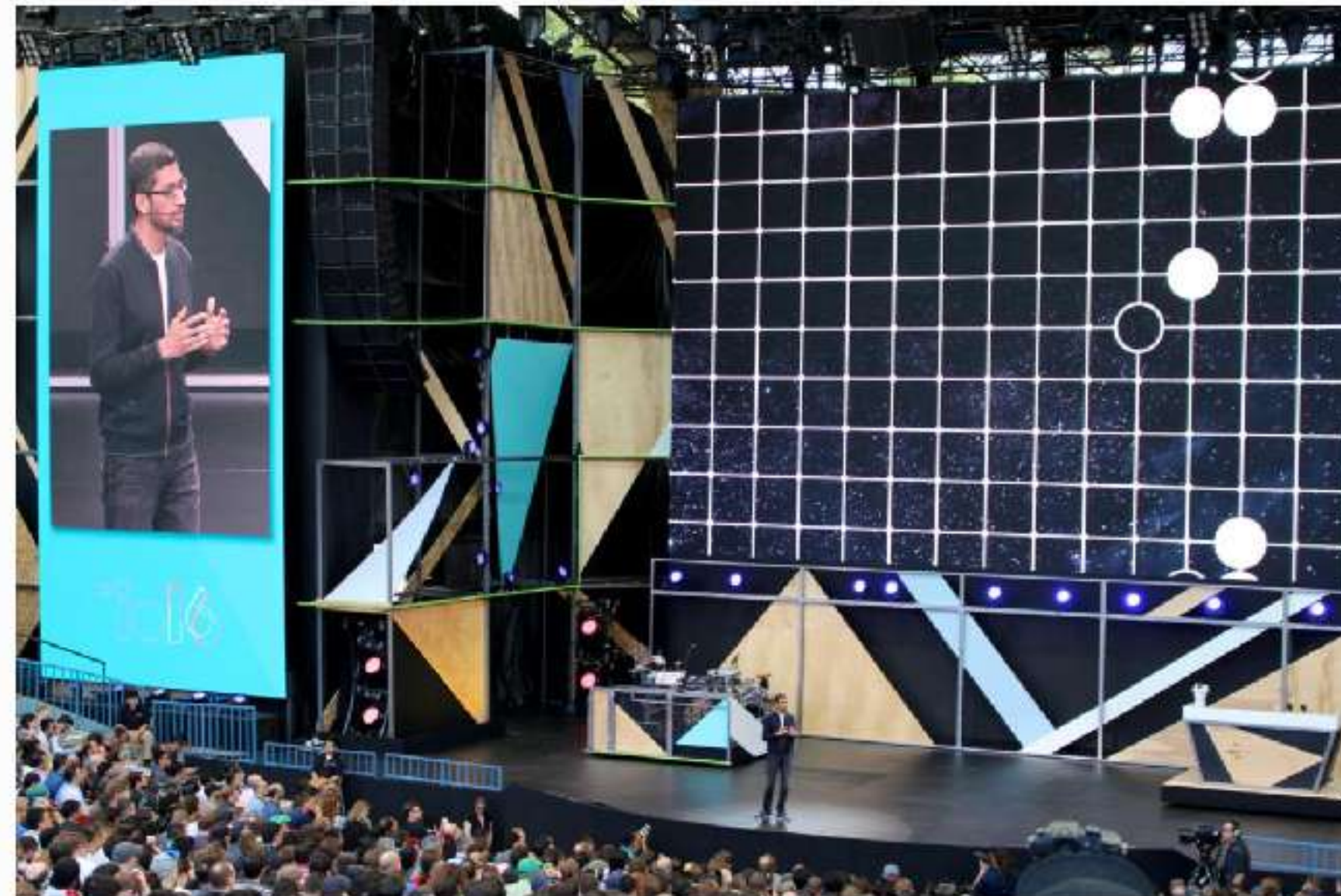
FORBES > LEADERSHIP > LEADERSHIP STRATEGY

Right Now, Artificial Intelligence Is The Only Thing That Matters: Look Around You

Enrique Dans Former Contributor @

Teaching and consulting in the innovation field since 1990

Jul 13, 2016, 01:35pm EDT



Google chief executive Sundar Pichai outlines a future rich with artificial intelligence at the...

[+]

If there's one thing [the world's most valuable companies](#) agree on, it's that their future success hinges on artificial intelligence.

FORBES > LEADERSHIP > LEADERSHIP STRATEGY

Right Now, Artificial Intelligence Is The Only Thing That Matters: Look Around

No importa a qué se dedique tu compañía: sus posibilidades de supervivencia en este entorno van a depender de su capacidad para convertirse en una máquina de generar datos, en una enorme manguera que alimente continuamente sus algoritmos para que sean mejores que los de sus competidores....

...world's most valuable companies agree on, it's that their future success hinges on artificial intelligence.

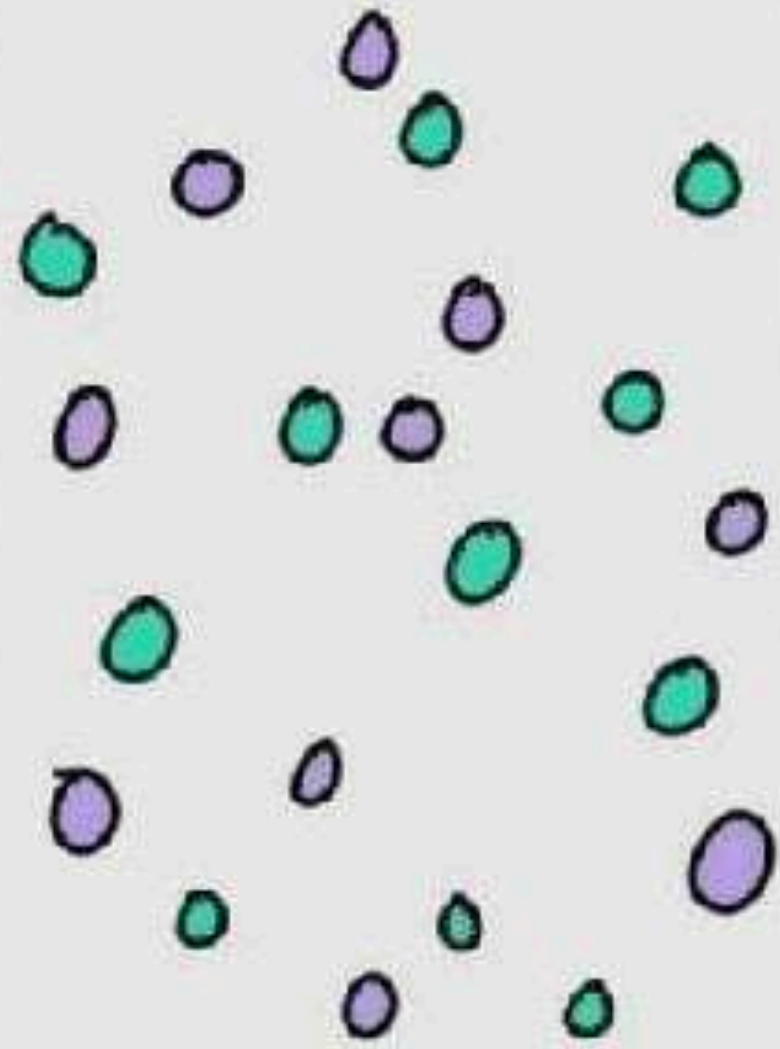




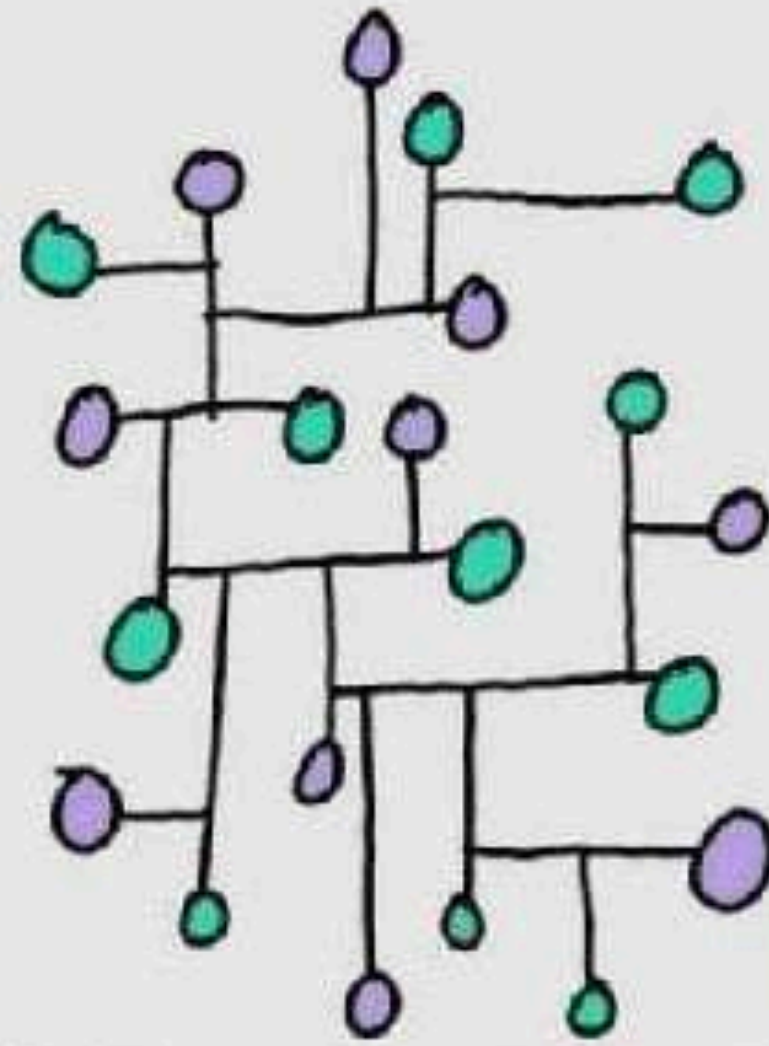
Big Data



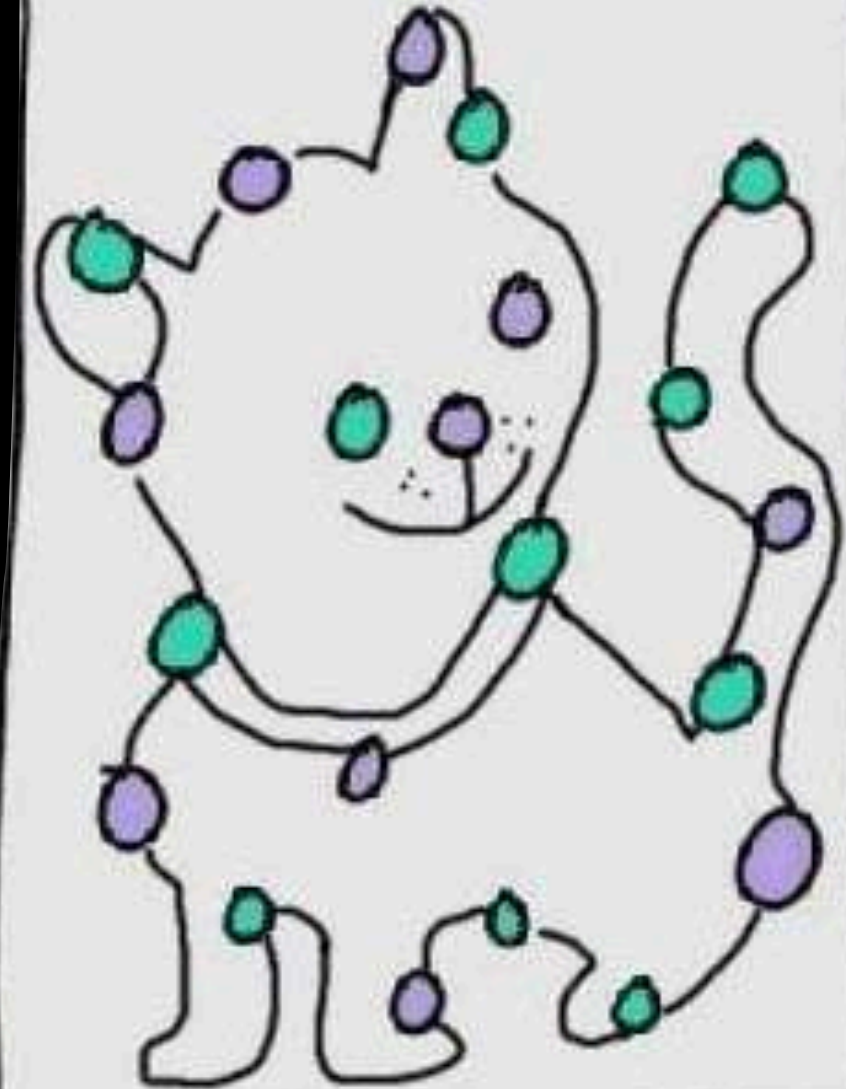
Knowledge



Experience



Creativity





Cualquier cosa que se pueda digitalizar: siempre que haya alguna estructura en la que podamos aplicar algunos patrones, significa que podemos aprender esos patrones. Si podemos aprender esos patrones, podemos entender su significado. Cuando entendemos el significado, podemos también generarlo. Y aquí estamos, en la revolución de la IA generativa

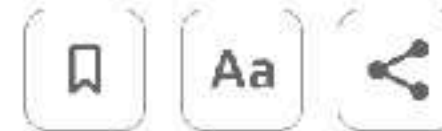
**Jen Hsun "Jensen" Huang
Founder and President of Nvidia**

Technology

Nvidia becomes world's most valuable company

By Reuters

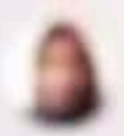
June 18, 2024 8:17 PM GMT+2 · Updated 16 hours ago



A NVIDIA logo is shown at SIGGRAPH 2017 in Los Angeles, California, U.S. July 31, 2017. REUTERS/Mike Blake/File Photo [Purchase Licensing Rights](#) ↗

June 18 (Reuters) - Nvidia ([NVDA.O](#)) ↗ became the world's most valuable company on Tuesday, dethroning tech heavyweight Microsoft ([MSFT.O](#)) ↗, as its chips continue to play a central role in a race to dominate the market for artificial intelligence.

Shares of the chipmaker climbed 3.2% to \$135.21, lifting its market capitalization to \$3.326 trillion, just days after overtaking iPhone maker Apple [AAPL.O](#) to become the second most valuable company. The stock has surged about 173% so far this year, compared with a rise of about 19% in Microsoft shares.



Generating output...

March 16, 2023, 1:00 PM

Here are some topics to prepare you for your upcoming meeting:

- **Project updates:** The new product line was launched in 3 countries. Project Gamma has been delayed by 2 weeks. ¹
- **Customer Updates:** The sales team finalized a new annual contract with Relecloud ² and the meeting with the Relecloud executives has been scheduled for this week.
- **Organization updates:** There were 3 new hires who started in the sales team. The marketing team celebrated Joanne's 25 year anniversary. ³
- **Team updates:** Matthew returned from paternity leave. The team offsite ^{is scheduled for this week}



Copy



Edit in Word



3 references 



Catch me up on this email conversation

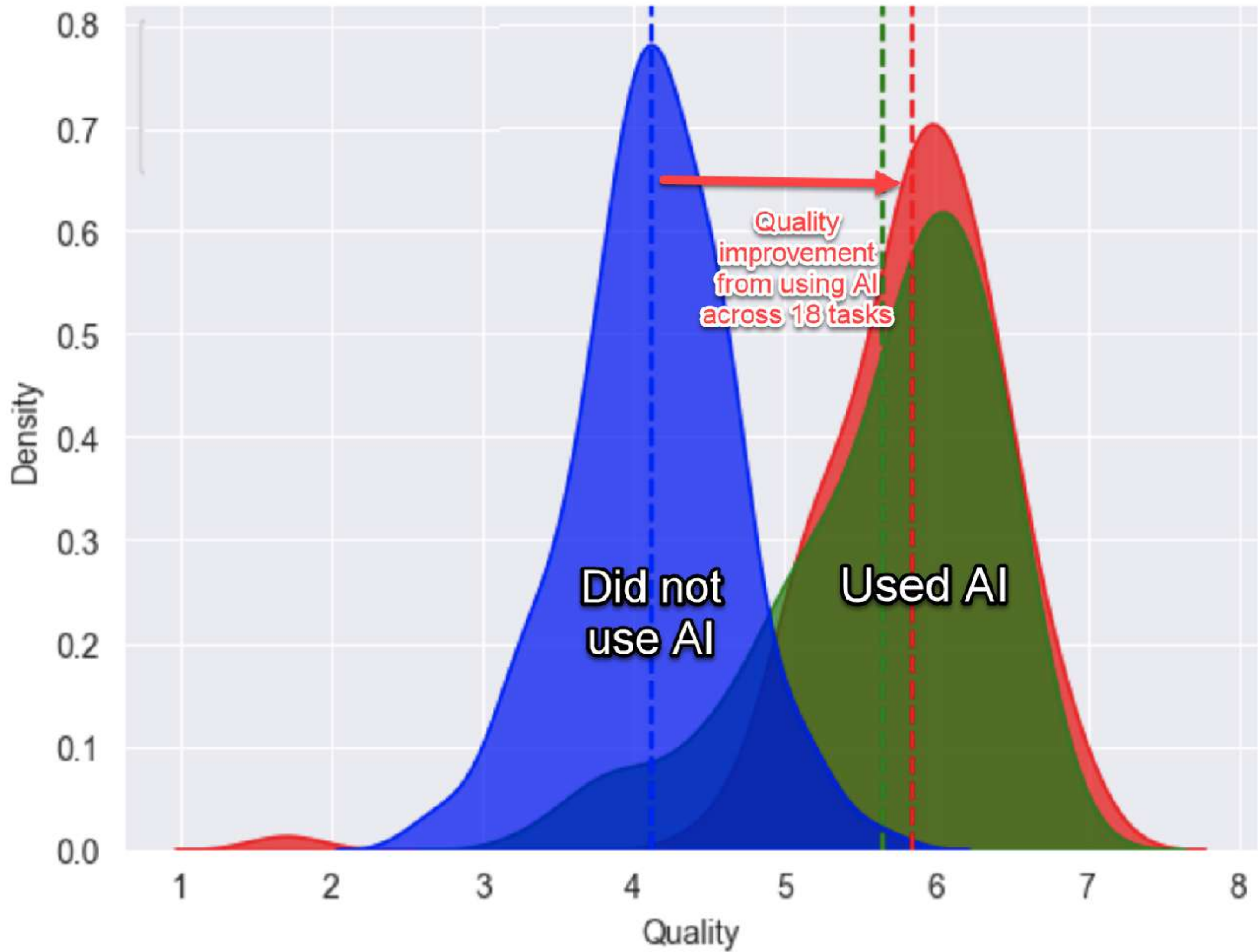
A.I. TURNS THIS SINGLE BULLET POINT INTO A LONG EMAIL I CAN PRETEND I WROTE.



A.I. MAKES A SINGLE BULLET POINT OUT OF THIS LONG EMAIL I CAN PRETEND I READ.



TOM
FISH
BURNE



 **GitHub Copilot**



Don't fly solo.

/ innovation

Home / Innovation / Artificial Intelligence

92% of programmers are using AI tools, says GitHub developer survey

AI isn't programming's future, it's its present.



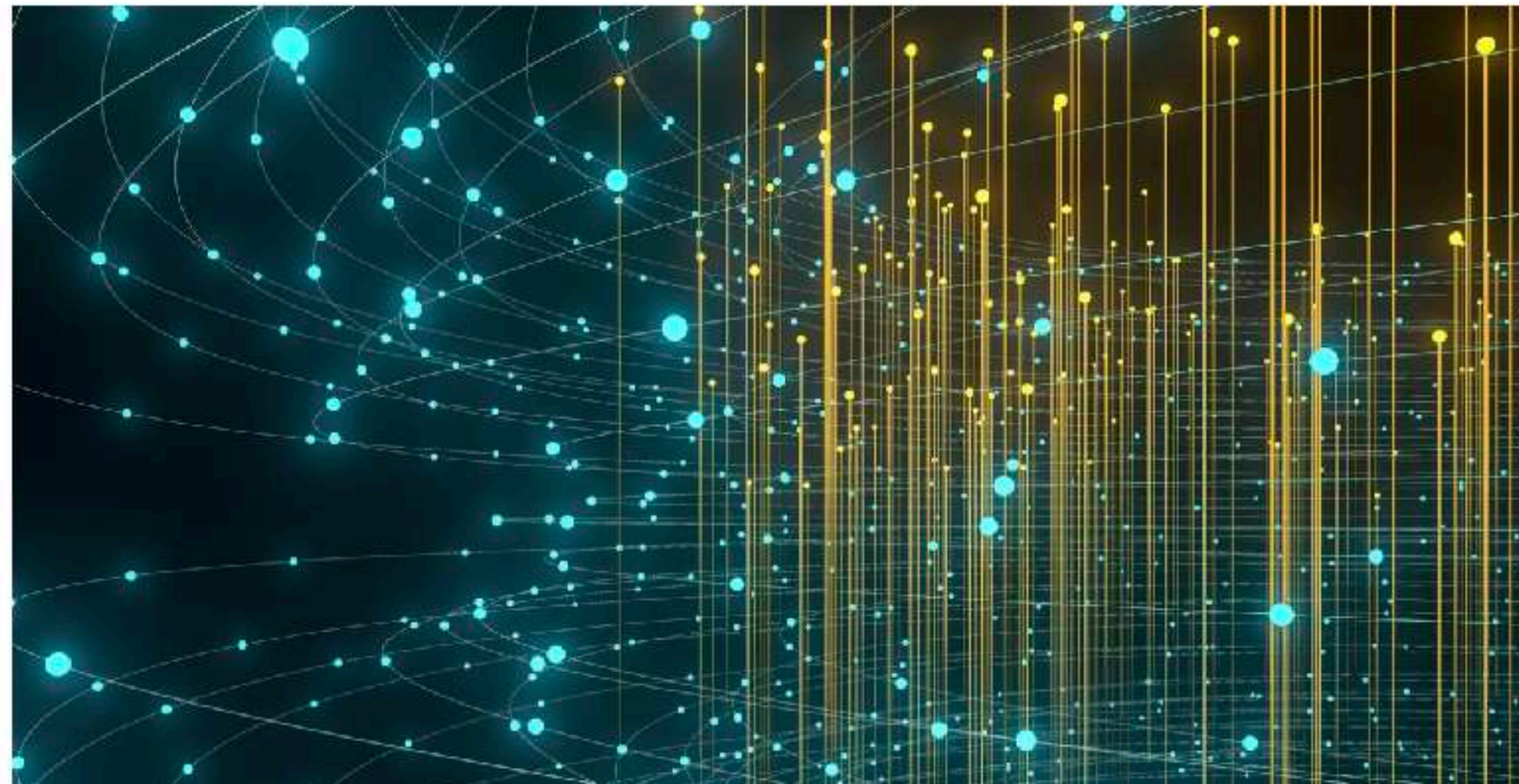
Written by **Steven Vaughan-Nichols**, Senior Contributing Editor

June 14, 2023 at 10:06 a.m. PT

Reviewed by **Min Shin**



/ must read

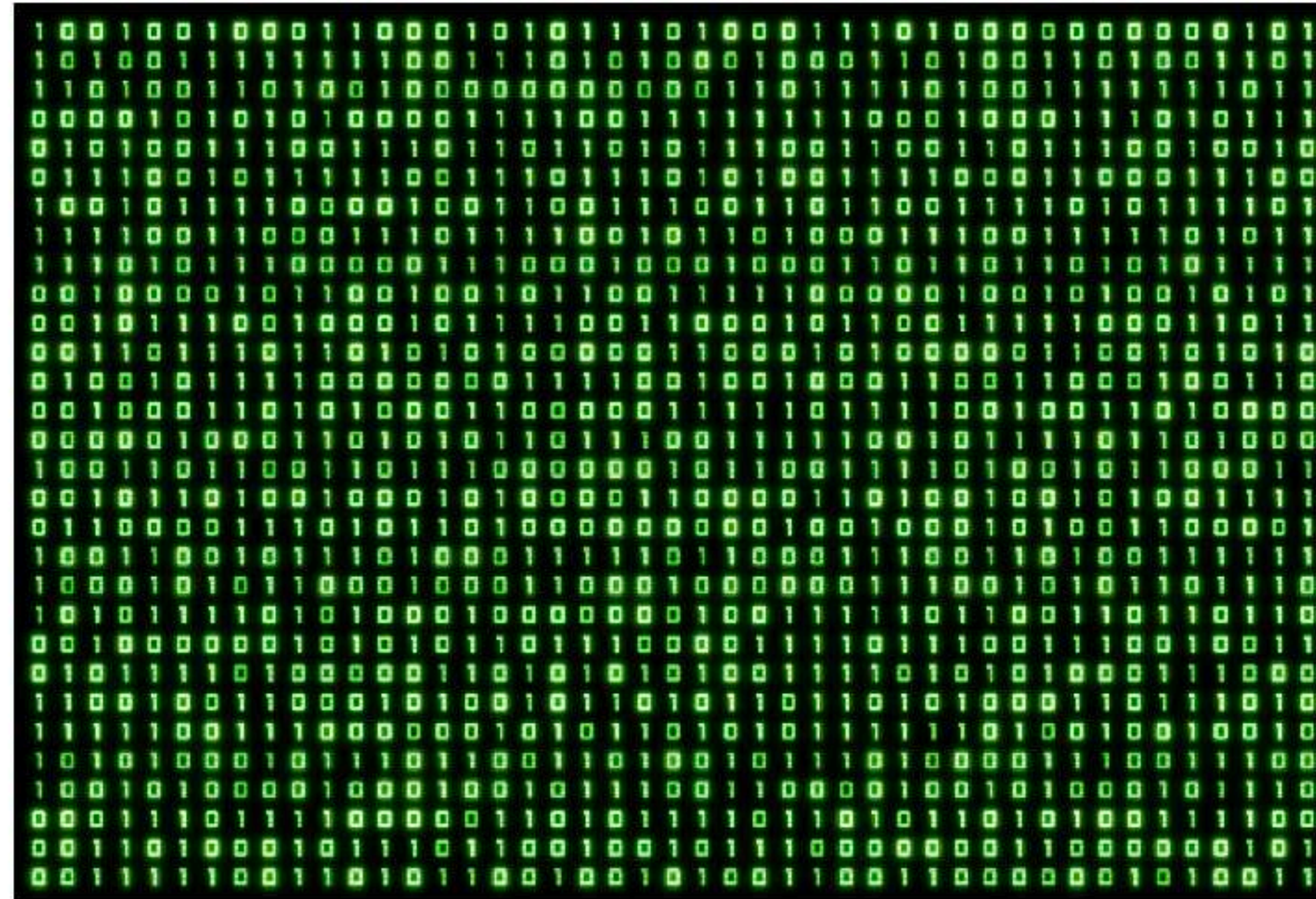


OPINION

FARHAD MANJOO

It's the End of Computer Programming as We Know It. (And I Feel Fine.)

June 2, 2023



Flavio Coelho/Moment, via Getty Images

11-19-23

OpenAI's custom GPTs: Everything you need to know about how to use them and build your own

OpenAI introduced custom GPTs in November. Is this a genuine game changer for generative AI? Or is it just another fun gimmick?



[Photo: [Thaliesin/Pixabay](#)]



BY **RYAN BRODERICK** 6 MINUTE READ

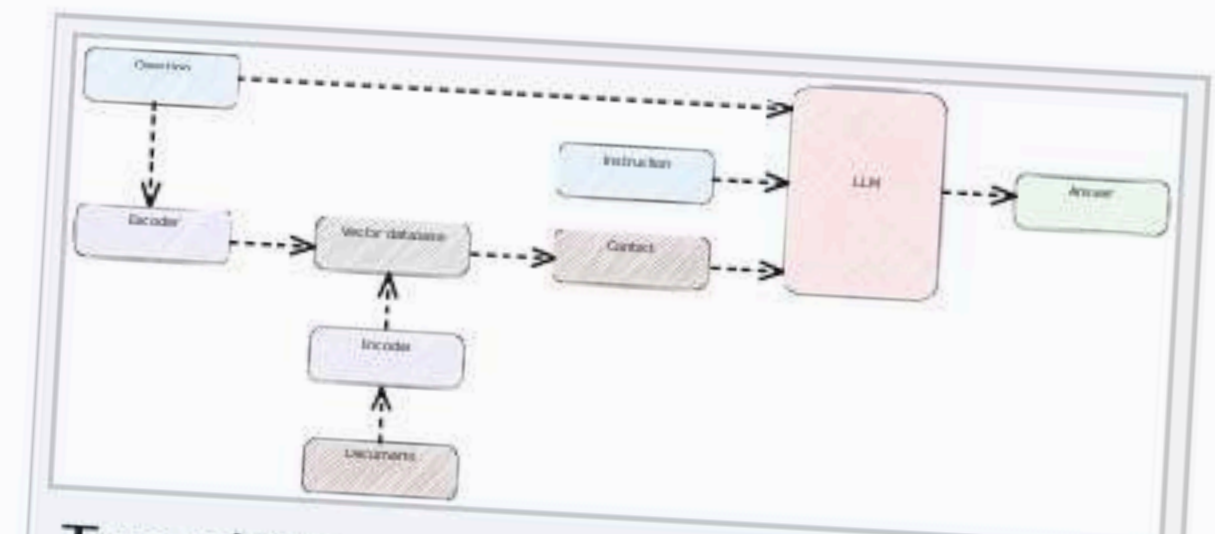
OpenAI added a powerful new feature to their mega-popular ChatGPT last week. It's called custom GPTs and it allows users to alter the way the AI chatbot works at a fundamental level. You can now tailor how it communicates and provide specific datasets it can pull from. But is this, as many AI proponents are already calling it, a genuine game changer for the world of generative AI? Or is this just another fun gimmick?



Retrieval-augmented generation [\[edit\]](#)

Retrieval-Augmented Generation (RAG) is a two-phase process involving **document retrieval** and answer formulation by a Large Language Model (LLM). The initial phase utilizes dense embeddings to retrieve documents. This retrieval can be based on a variety of database formats depending on the use case, such as a **vector database**, summary index, **tree index**, or keyword table index.^[50]

In response to a query, a document retriever selects the most relevant documents. This relevance is typically determined by first encoding both the query and the documents into vectors, then identifying documents whose vectors are closest in Euclidean distance to the query vector. Following document retrieval, the LLM generates an output that incorporates information from both the query and the retrieved documents.^[51] This method is particularly beneficial for handling proprietary or dynamic information that was not included in the initial training or fine-tuning phases of the model. RAG is also notable for its use of "few-shot" learning, where the model uses a small number of examples, often automatically retrieved from a database, to inform its outputs.



Two-phase process of document retrieval using dense **embeddings** and Large Language Model (LLM) for answer formulation

Retrieval Augmented-Generation



Customización





WHITE
COLLAR WORKER



BLUE
COLLAR WORKER

■ Hey Chat GPT,
finish this building...

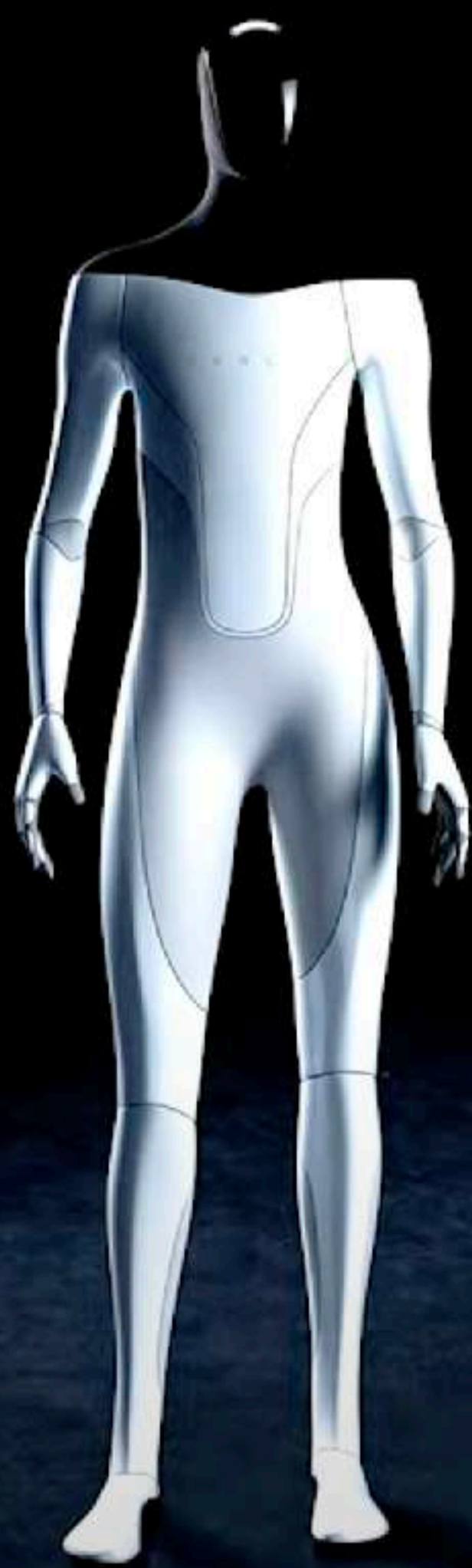
■ Hey Chat GPT,
finish this building...

Your skills are irreplaceable.

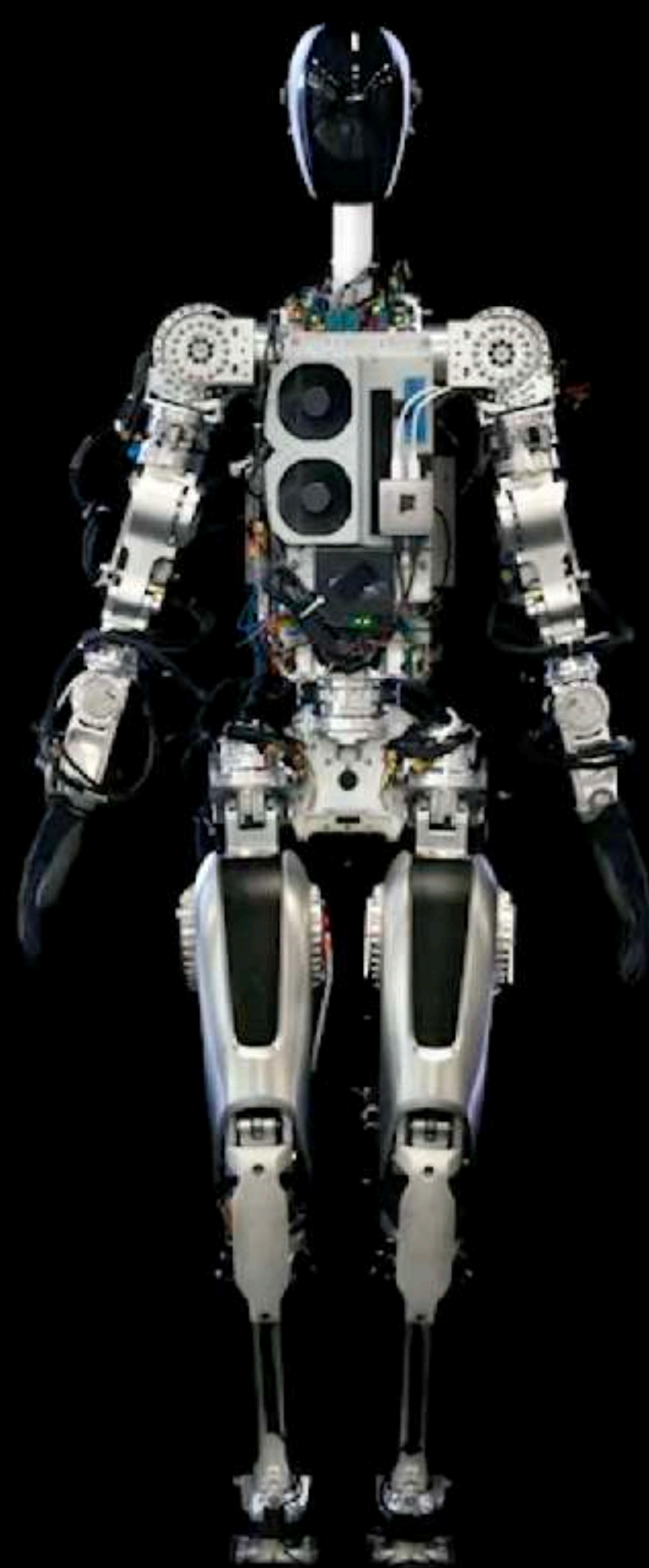
IMPACT

Satisfying jobs in construction and...





AI Day 2021
Concept



February 2022
Development Platform



Today
Latest Generation

HOME > TECH

Elon Musk predicts Tesla's humanoid 'Optimus' robots will eventually outnumber humans

Samantha Delouya Mar 2, 2023, 12:06 PM CET



Tesla's Optimus bot demo video for AI Day [YouTube](#)



BMW will deploy Figure's humanoid robot at South Carolina plant

Brian Heater / 3:00 AM PST • January 18, 2024

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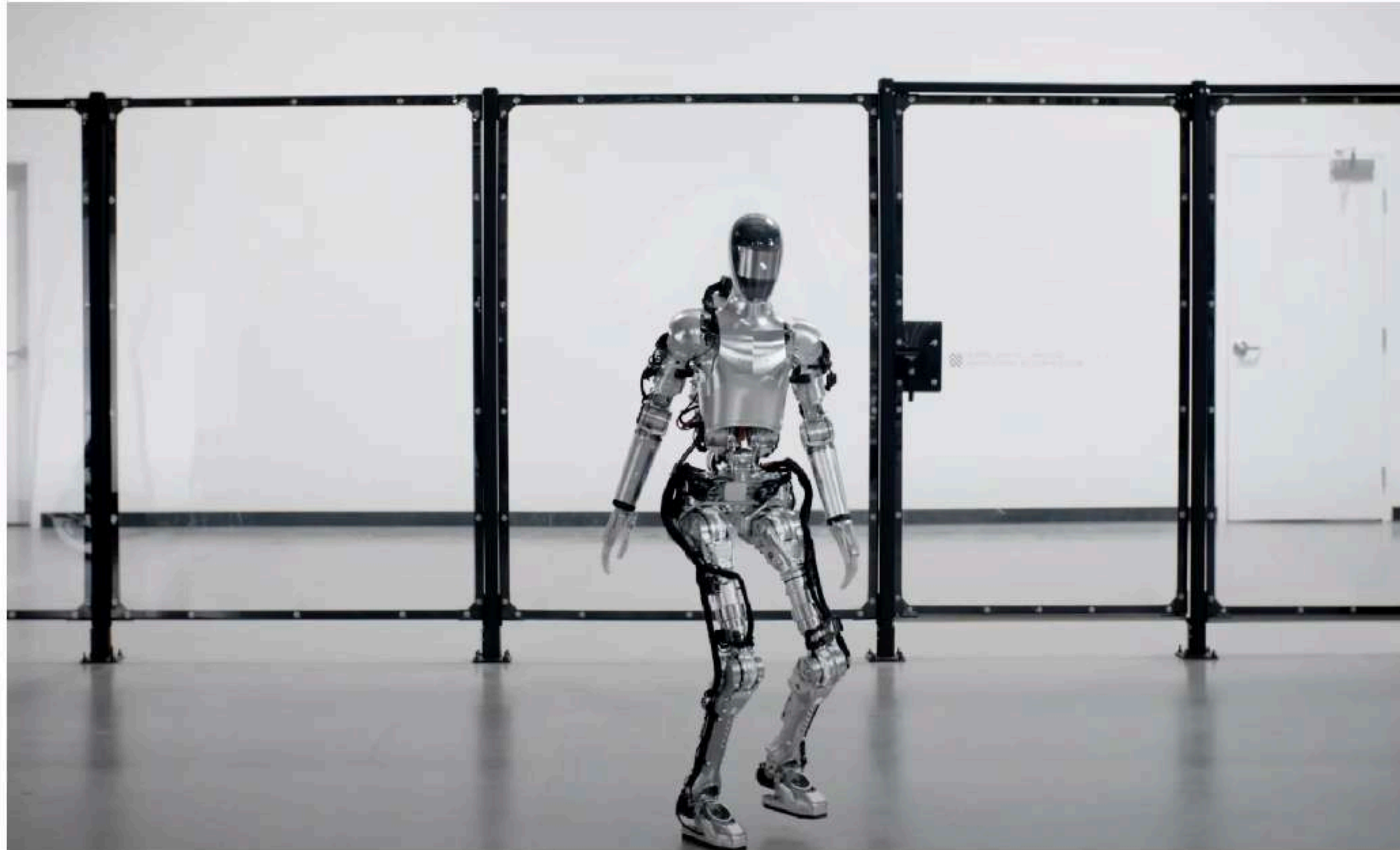


Image Credits: Figure

Figure today announced a “commercial agreement” that will bring its first humanoid robot to a BMW manufacturing facility in South Carolina. The Spartanburg plant is BMW’s only in the United States. As of 2019, the 8 million-square-foot campus boasted the highest yield among the German manufacturer’s





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Mercedes begins piloting Apptronik humanoid robots

Brian Heater / 2:30 AM PDT • March 15, 2024

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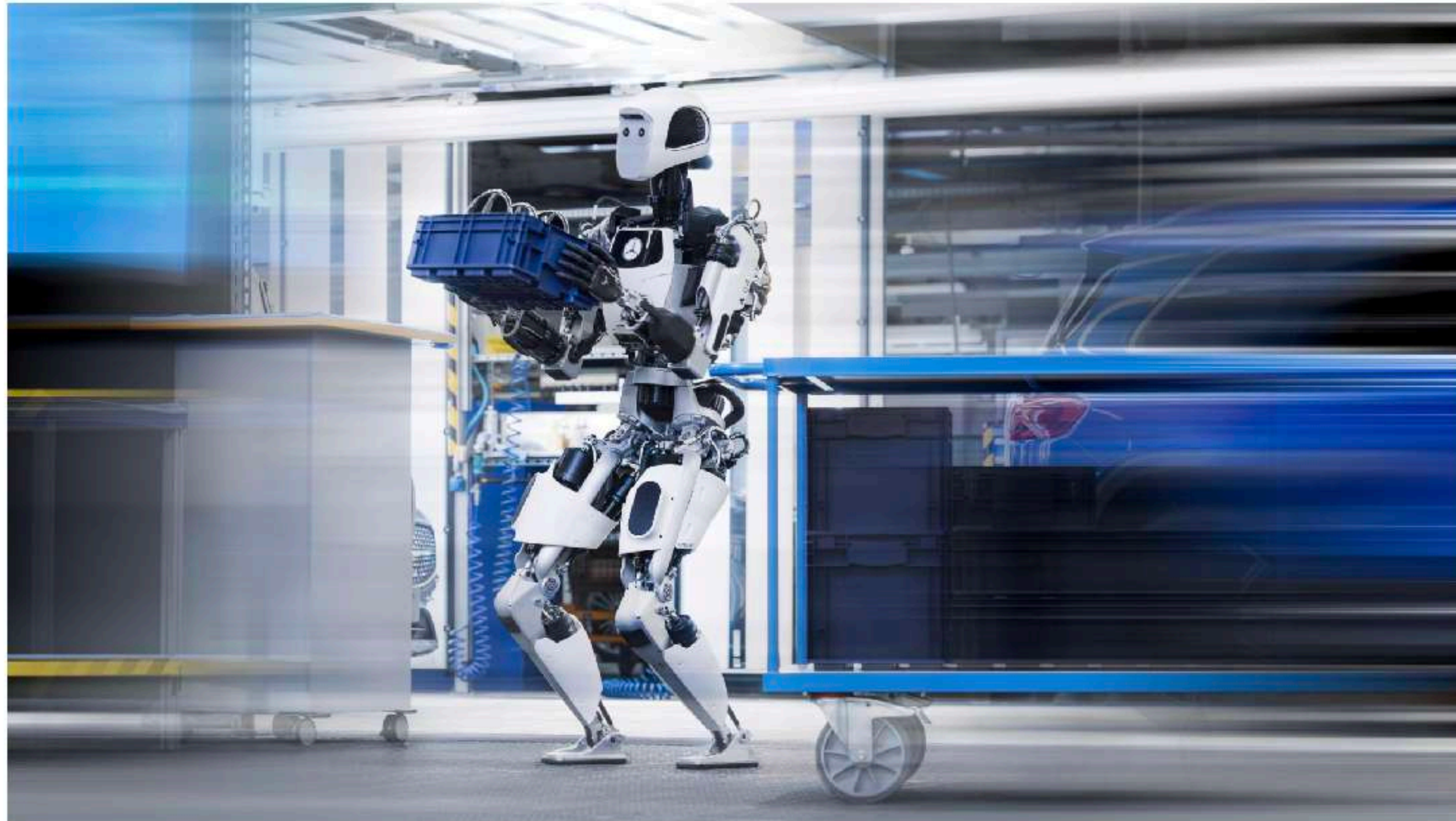


Image Credits: Apptronik

Pilot season has officially begun for the world of humanoid robotics. Last year, Amazon began testing Agility's Digit robots in select fulfillment centers, while this January, Figure announced a deal with BMW. Now Apptronik is getting in on the action, courtesy of a partnership with Mercedes-Benz.





INNOVATION

Machine Learning: The New Language Of Leadership



Paul Lipman Forbes Councils Member
Forbes Technology Council **COUNCIL POST** | Membership (Fee-Based)

POST WRITTEN BY

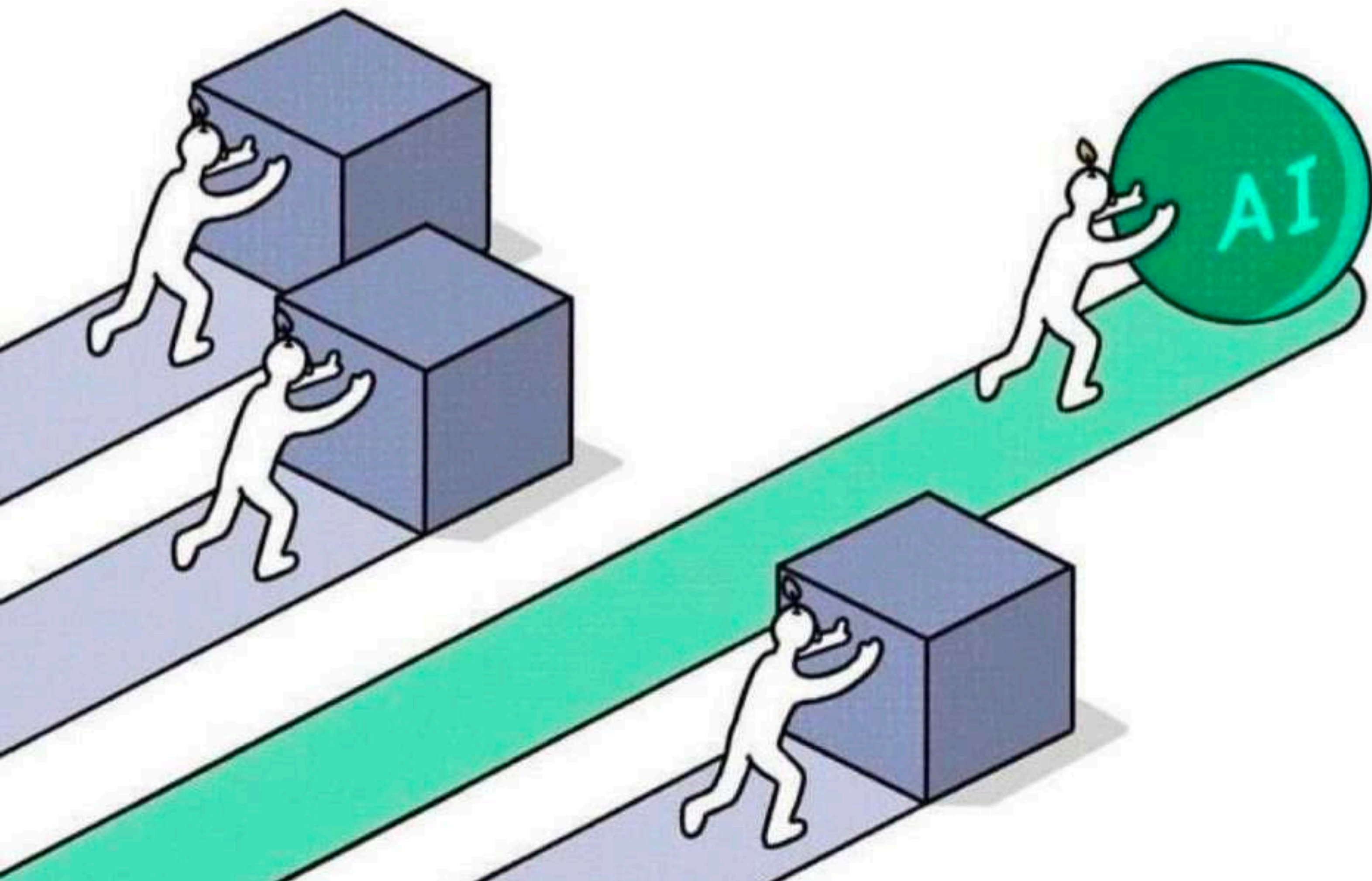
Paul Lipman

Paul Lipman has worked in the cyber world for over a decade and is currently CEO of [BullGuard](#), a global leader in smart home cybersecurity.

Oct 25, 2018, 07:30am EDT



AI WON'T REPLACE YOU,
PEOPLE USING AI WILL



Today



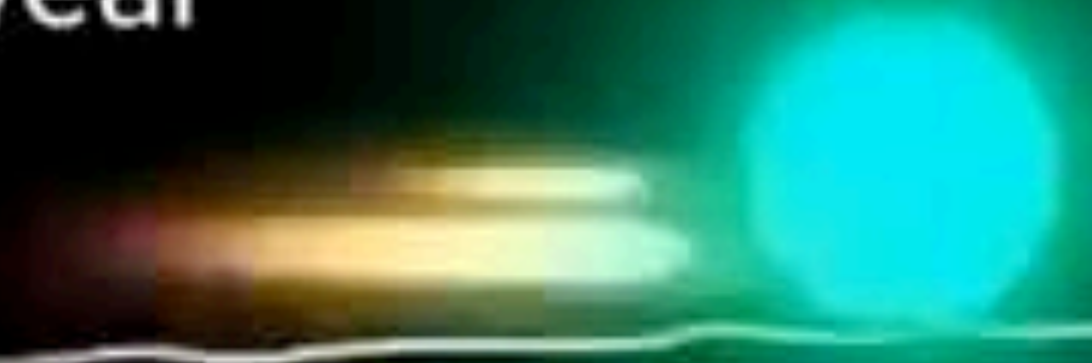
In a week



In a month



In a year





Enrique Dans
Contributor

FOLLOW

I study technology disruption in individuals, companies and societies.

[full bio](#) →

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LEADERSHIP 2/04/2015 @ 3:41AM | 7.185 views

If You Want To Change Things, You Have To Break Things

[+ Comment Now](#) [+ Follow Comments](#)

“The problem with this company is it lacks an innovative culture,” said the CEO while asking his secretary to print out his emails for that day so he could check them, pulling out a pen at the same to sign the minutes of a meeting...

Okay, I made that up, but the scene is played out all too often in the business world: managers who say they want an innovative culture in their company, a proactive approach toward what they still call “the new technologies” —when in reality they are talking about products and services that have generally been



Share



“There is no possible protection from technology except by technology,”

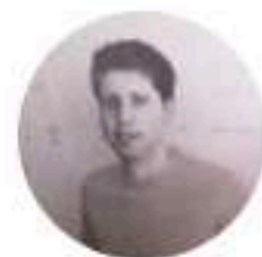
Marshall McLuhan

**TODAY'S PACE HAS
EXCEEDED THE
COMFORT OF LINEAR
BUSINESS PARADIGMS**





Post



Sam Altman

@sama



it's not that the future is going to happen so fast, it's that the past happened so slow.

4:53 AM · Oct 22, 2024 · **978.4K** Views



1K



1.8K



13K



1K



formed of time
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no·v·ious (in nāk'shə
ocuous Ge



New Skills

LEARN

Are

YOU

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enrique.dans@ie.edu

Sigamos la conversación...

NUEVAS TECNOLOGÍAS EN LA INDUSTRIA

RETOS Y CASOS DE ÉXITO



ENRIQUE DANS
Profesor de
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RAFAEL VICENT
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Fundador en
KERAJET