

Unleashing AI

Generative AI – Today & Tomorrow

Alliance for Innovation
February 2023



Today we'll be talking about generative AI and what it can do.

Generative AI tools are democratizing creativity and redefining productivity.

1. Overview
2. Applications & Use Cases
3. Risks and Issues
4. Glimpses of the Future

3 Quick Things About Me

> **Executive Vice President of Strategic Foresight at AFI**
Helping local governments anticipate change and adapt proactively

> **Insights & Futures Lead at M3 Design**
Positioning future trends in terms of resilient and adaptive business models

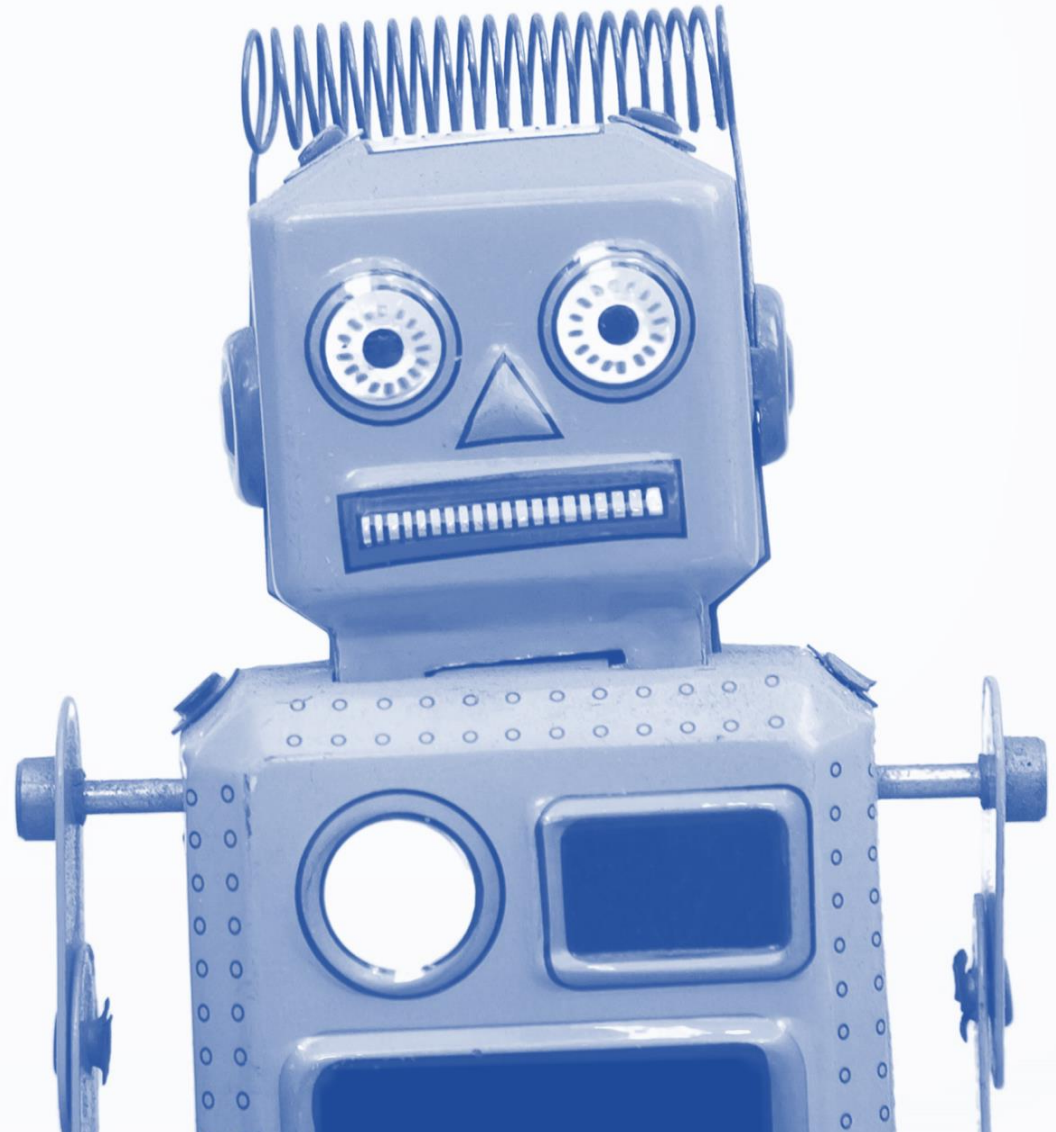
> **Product Development Engineer & Strategist for 10 years**
Experienced in critical analysis, quantification, and creative problem-solving

1

overview

Artificially Intelligent

What even is
AI?



I am writing this dokumint as an x-ample. I sure hope Word can spel betr than I can.

Spelling

document

documents

⌵ ⌨ ...

Best

35 min

15 hr

2 hr 5

Home (5107 Cree Ln)

Work (M3 Design Inc)

Depart at

8:00 AM

Mon, Nov 6

Options

Send directions to your phone

via N FM 620 and TX-45 E/TX-45 Toll

typically 26–45 min

Arrive around 8:45 AM

21.2 miles

Details

via TX-1 Loop N

typically 30–55 min

Arrive around 8:55 AM

26.4 miles

Explore nearby M3 Design Inc

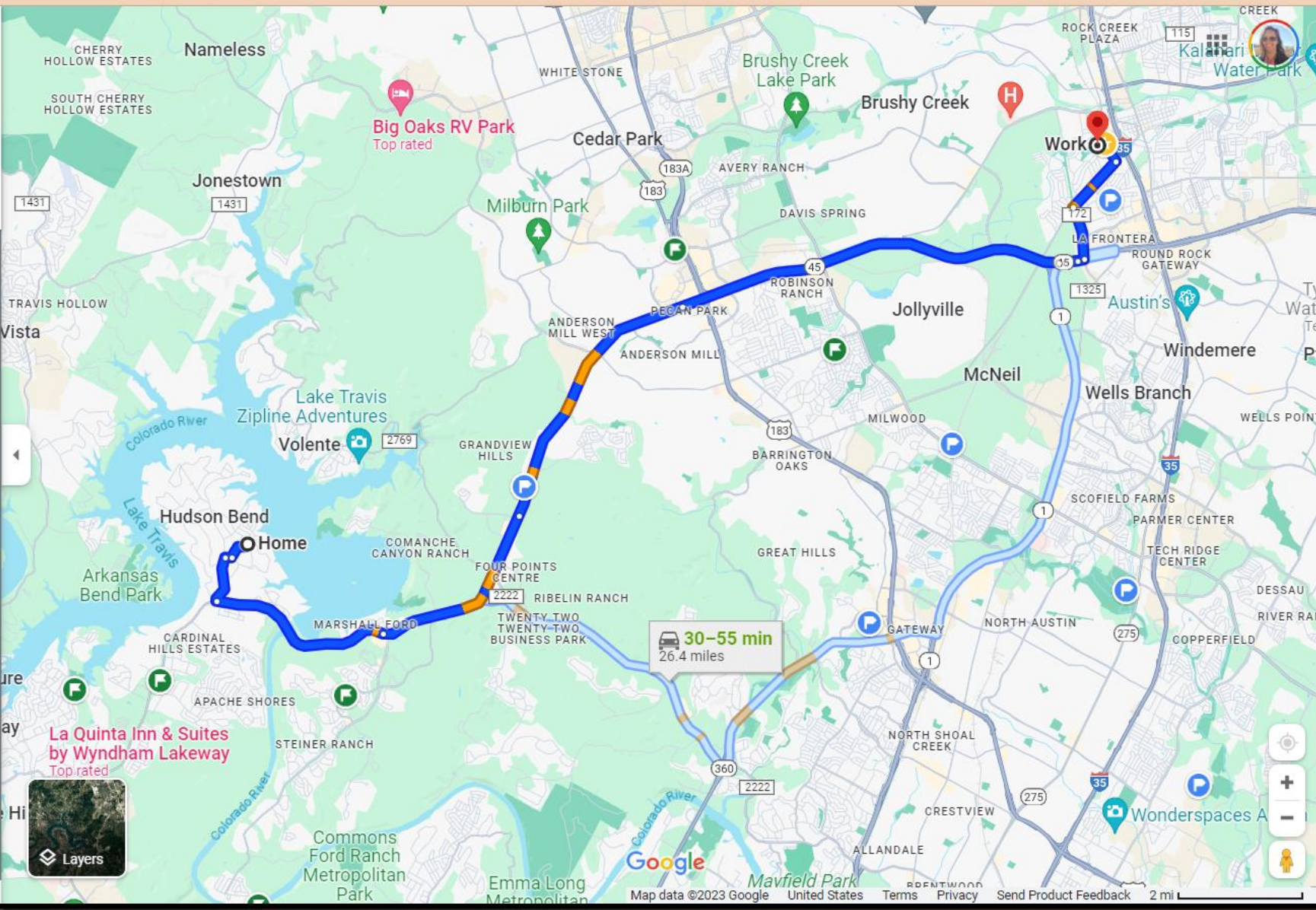
Restaurants

Hotels

Gas stations

Parking Lots

More





4:11

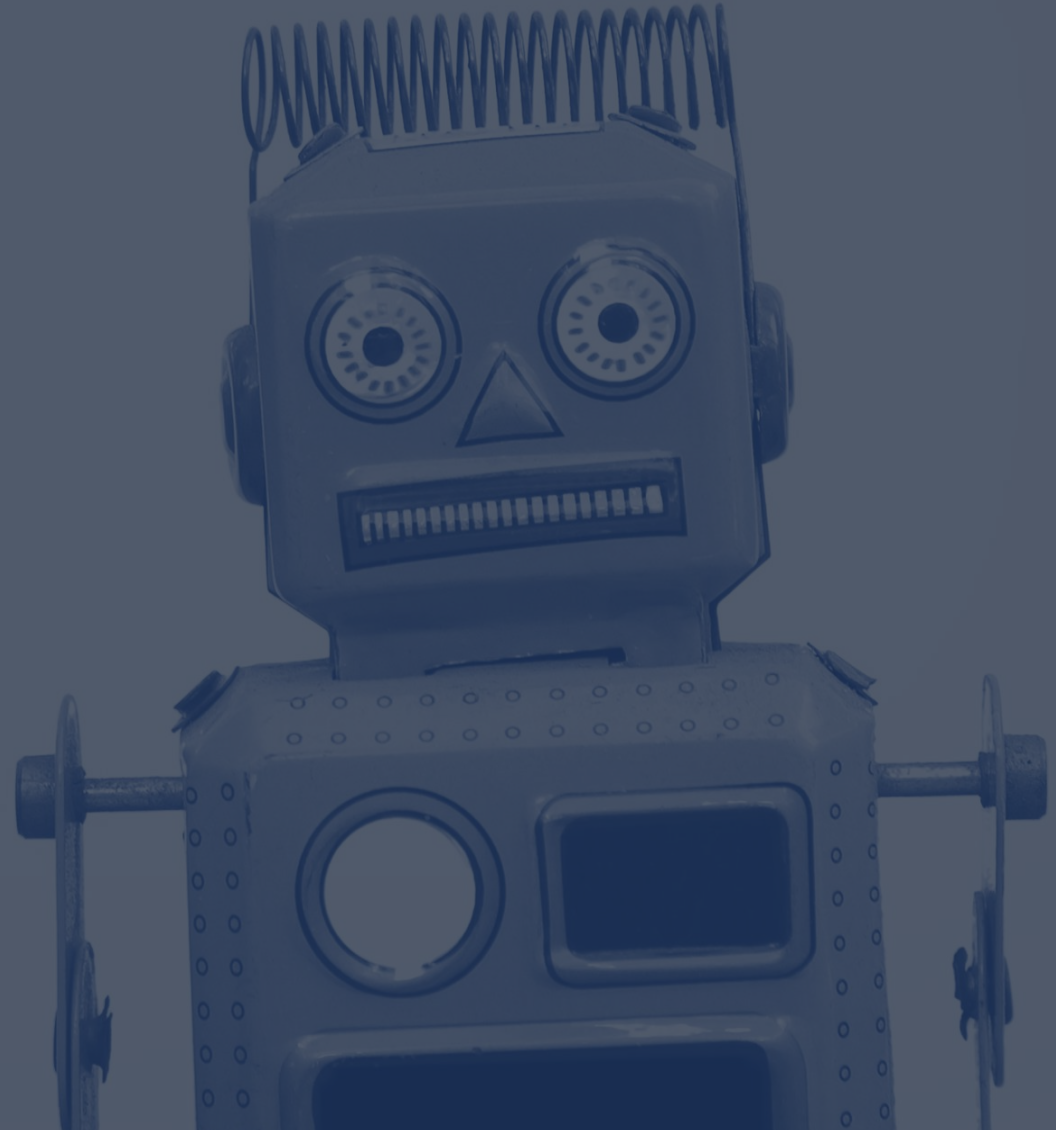
Cancel



Move your head slowly to
complete the circle.

Accessibility Options

**AI is
everywhere.**



**Innovation
Trigger**

1950

1956, Dartmouth – first discussions of machines mimicking human intelligence
1966, 'artificial intelligence' coined

**Academic
Research**

1970

Stanford – AI to diagnose bacterial infections
Carnegie Mellon – AI to drive cars

**Corporate
Experimentation**

1990

IBM – chess champion
IBM Watson – Jeopardy champion

Commercialization

2000

Google Maps, Spell Check, Spam filters

Advancement

2010

Deep Learning, Machine Learning,
Neural Networks, Computer Vision,
Natural Language Processing

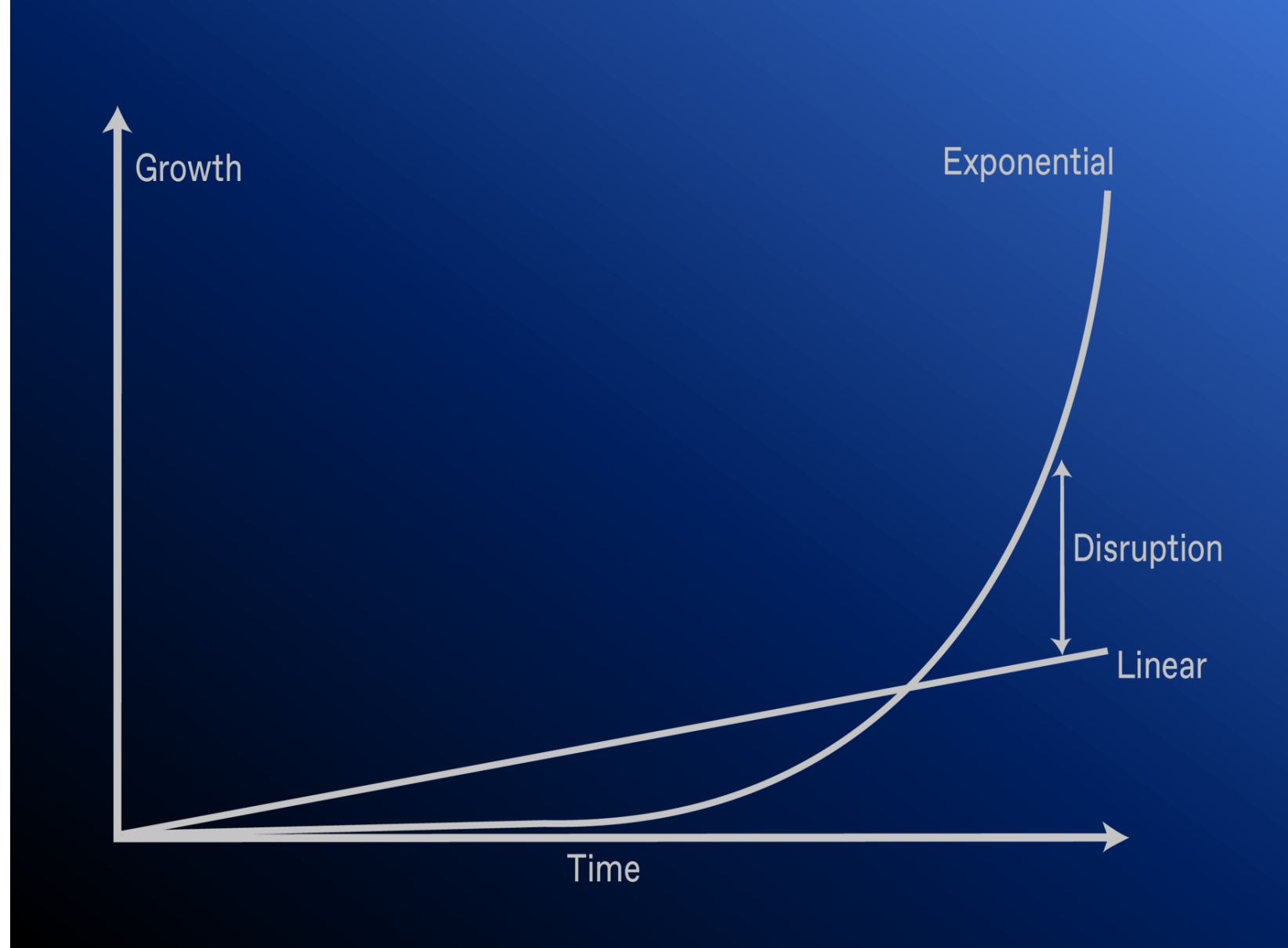
Mainstreaming

2020

ChatGPT

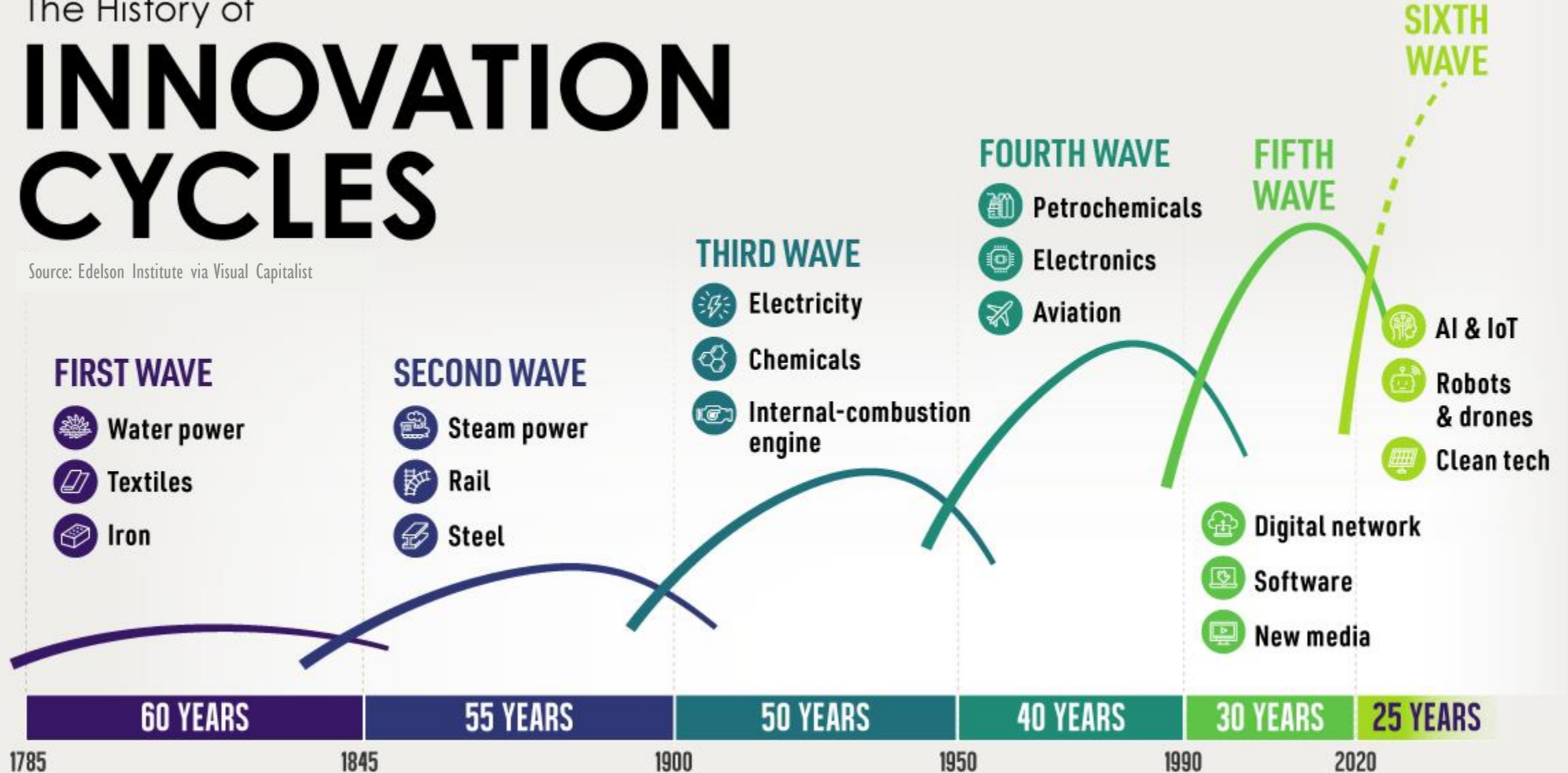
Exponential Growth

1 million users
in 5 days.

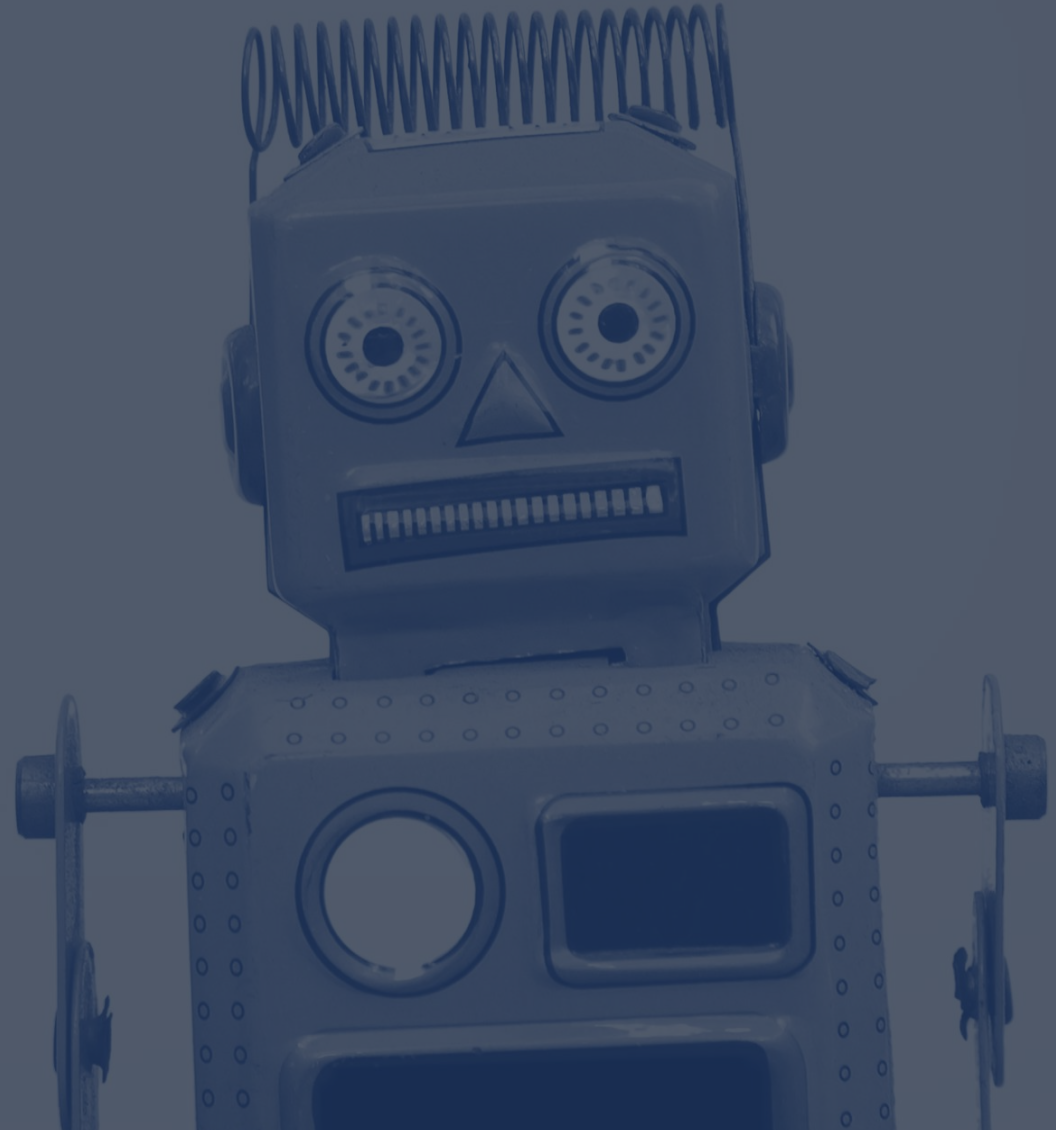


The History of INNOVATION CYCLES

Source: Edelson Institute via Visual Capitalist



**AI is
everywhere.**





1

Automation

2

Analysis

3

Monitoring

4

Engagement

1

Monitoring

- Traffic Management
- Predictive Vehicle Maintenance
- Gunshot Detection
- Early Warning for Police Behavior
- Predictive Policing
- Physical Security & Threat Detection
- Icicle Monitoring for Pedestrian Safety
- Smart Waste Management
- Patrolling Parks

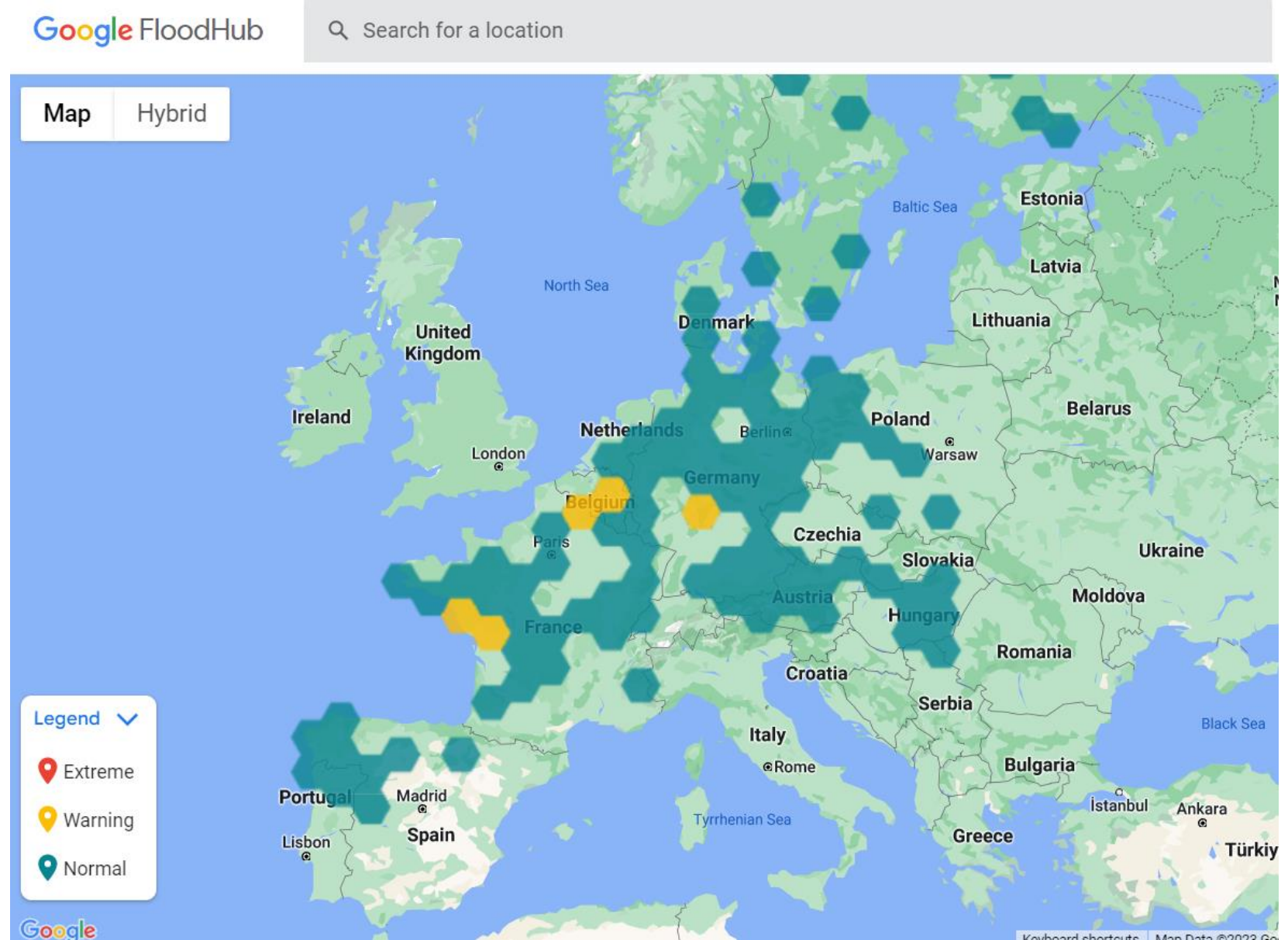


Image credit: "A RoboCop, a park and a fight: How expectations about robots are clashing with reality" [NBC News](#)

2

Analysis

- Scenario Development for Redevelopment
- Democratizing Geospatial Data Access
- GIS Image Analysis and Detection
- Traffic Pattern Analysis
- Decision Support for Officials
- Analyzing Public Opinion
- Real-Time Data Dashboards
- Predictive Analytics for Natural Disasters
- Budget Analysis



Google's FloodHub showing live flood conditions in Europe. | Image: FloodHub. [Google](#)

3

Automation

- Non-Emergency Calls Handling
- IT Service Desk
- Automated Permit Review
- Live Dispatching System for Public Safety
- Physical Security & Threat Detection
- EMS Drones
- Automated Search-and-Rescue
- Detecting Fraud (ie, Tax Fraud)
- Property Value Assessments
- Permit Reviews
- Automated Street Sweeping, Litter Removal, Mowing, Beach Cleaning
- Automated Public Transit (ie, Buses)
- Trash Sorting



Image credit: "Automatic lawnmower taken from Loveland cemetery might have solved other crimes" [Loveland Reporter-Herald](#)

4

Engagement

- Chatbots for 311, FAQs
- Public Comments Analysis
- Collection of Public Views
- Community Engagement
- Tax Collection Customer Service

[Home](#) / [Your City](#) / [News](#) / [2023](#) / [July](#) / Stirling trials artificial intelligence platform in WA-first

Stirling trials artificial intelligence platform in WA-first



18 July 2023

In a first for Western Australia, the City of Stirling has welcomed ‘Ainsley’ – an supported engagement platform – as the newest member of our neighbourhood

Ainsley will be introduced as part of our engagement to inform the City’s Comr which will guide the City’s planning and delivery of community infrastructure. T community centres, sporting clubrooms, arts and culture spaces, skate and BI

The City is inviting locals to start conversations with Ainsley at 42 locations ac infrastructure is important and local residents are encouraged to ask a questio

Mayor Mark Irwin said the City’s commitment to listen and respond with a loca visitors to provide direct feedback at local parks, playgrounds, and community

“Last year we adopted a new vision to become a sustainable City with a local community about what was important to them, so we are keen to be at the lea neighbourhood engagement,” he said.

“To complement existing consultation methods and our online engagement hu automated two-way conversations at 42 locations across the City via QR code innovative approach to engagement will invite everyone to talk about their neig so the City can better understand what matters to the unique communities acr

“Ainsley is a new platform that will deliver valuable and relevant information to it – while also keeping us connected with the pulse of communities to better u

Image credit: “Stirling trials artificial intelligence platform in WA-first” [City of Stirling](#)



1

Automation

2

Analysis

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Monitoring

4

Engagement



1

Automation

2

Analysis

3

Monitoring

4

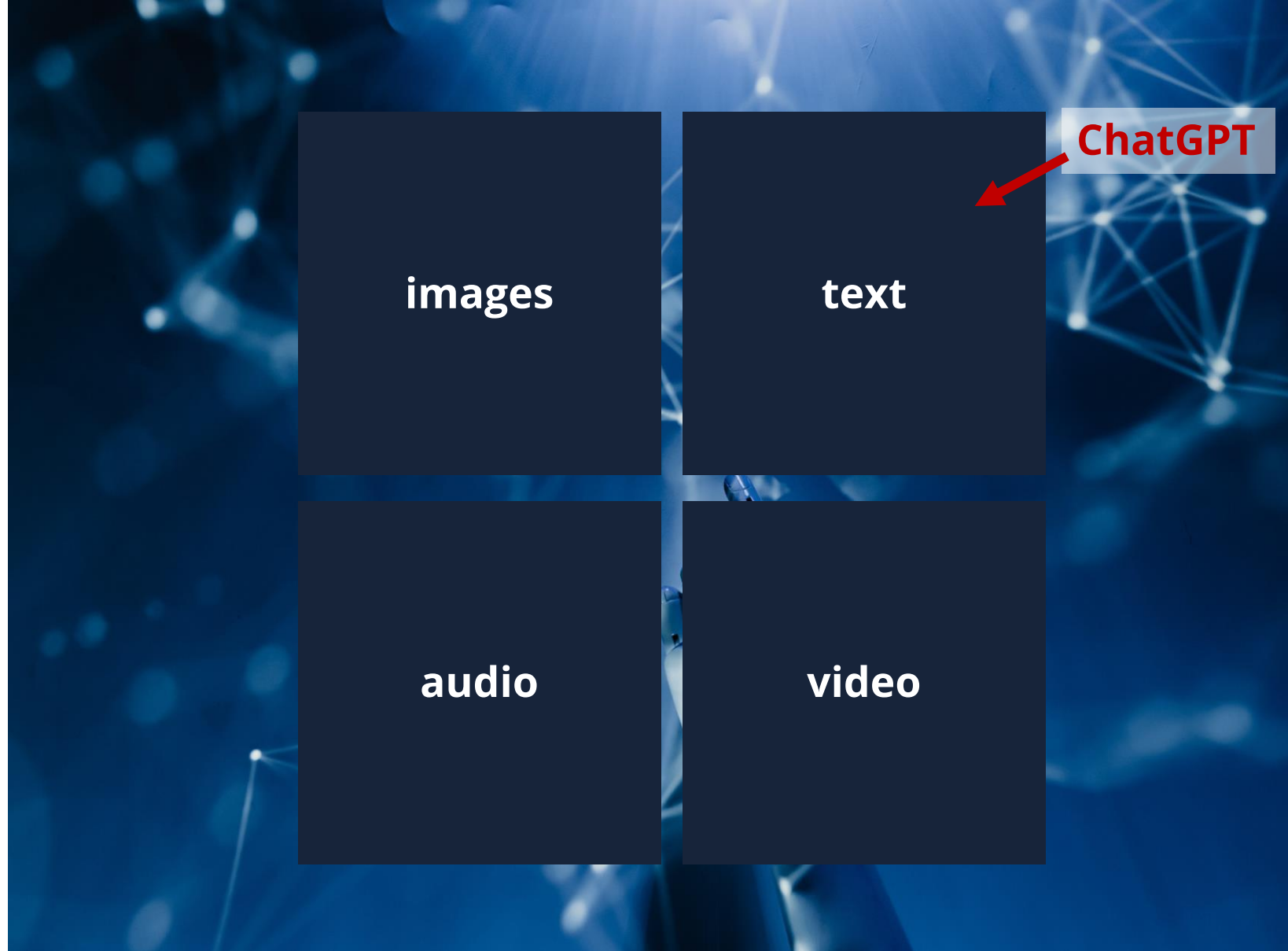
Engagement

5

Generation

What is Generative AI?

**An artificial
intelligence built
to create.**



The Branches Of AI

An incomplete map...



The Branches Of AI

One branch of
the tree.

AI

> Machine Learning

>> Deep Learning

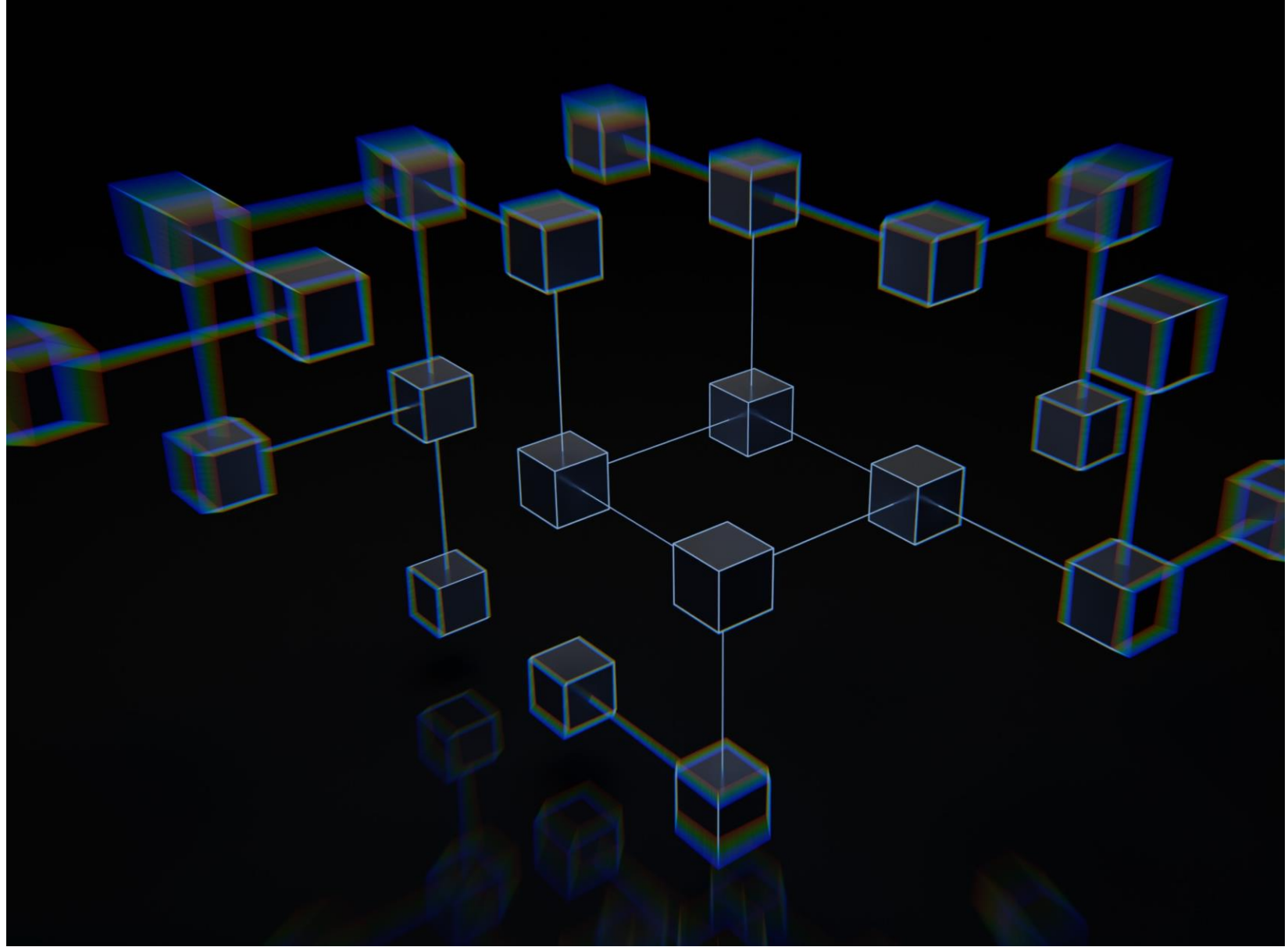
>>> Transformer Models

>>>> ANN

>>>>> Generative AIs

What is Generative AI?

Inspired by the
human brain.



What is Generative AI?

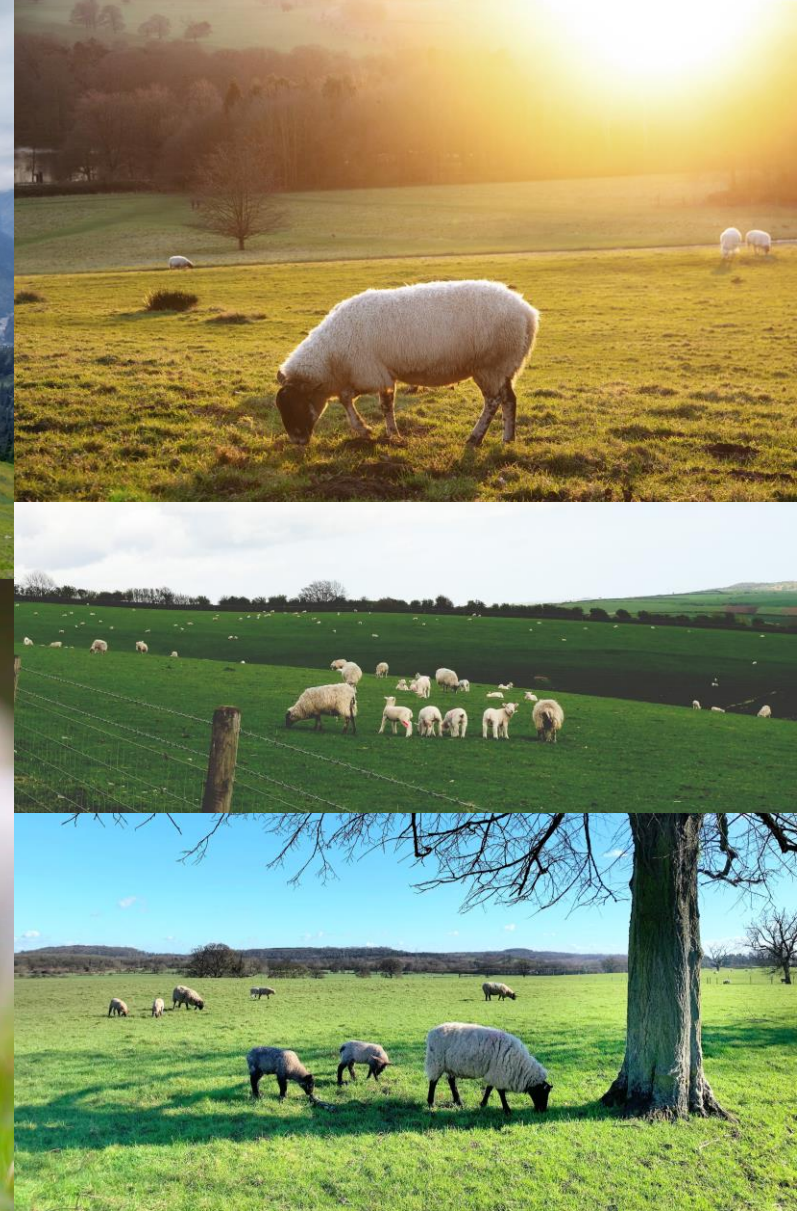
Trained, not
programmed.

“Programming an AI is almost more like teaching a child than programming a computer.”

- Janelle Shane, “You Look Like a Thing and I Love You”

What is Generative AI?

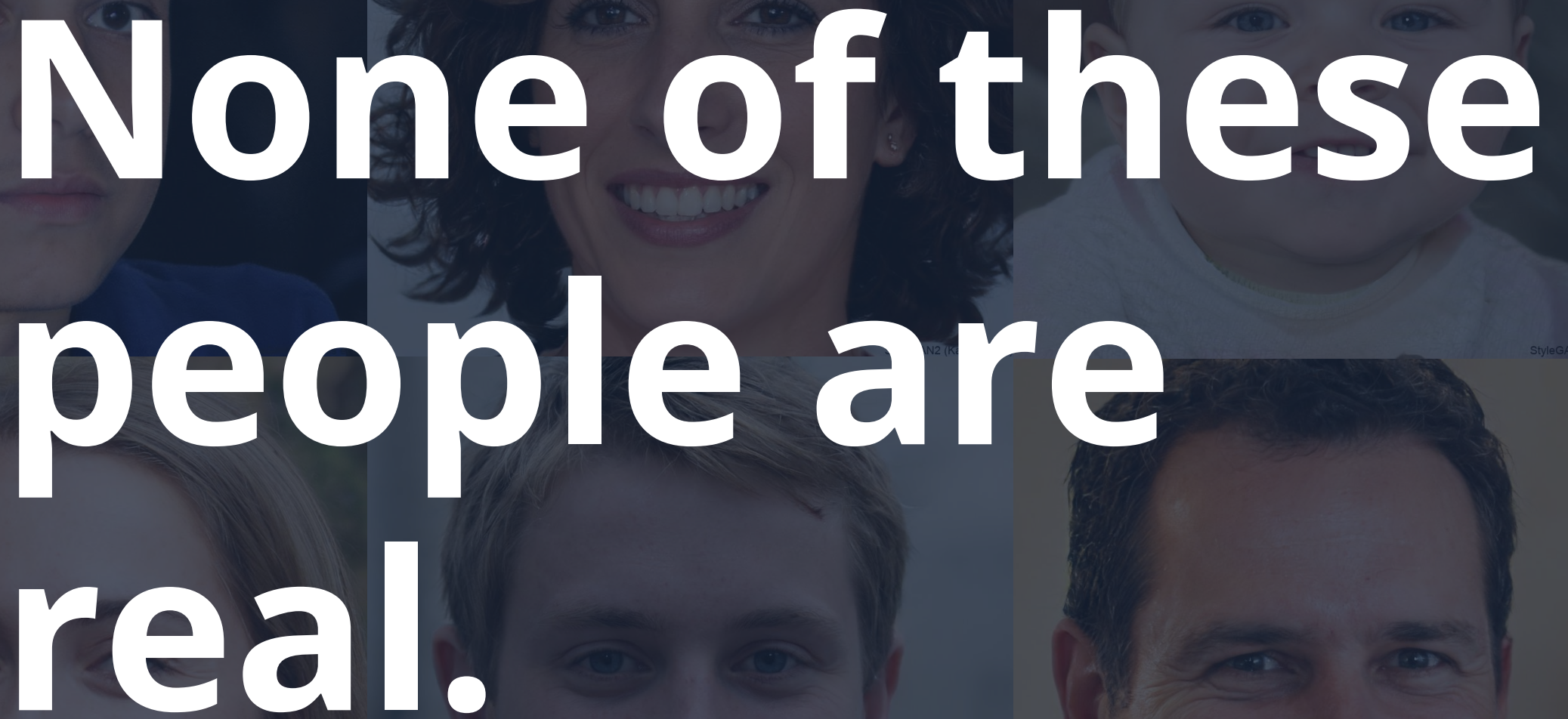
Easy to identify,
hard to define.



What is Generative AI?

Train, pattern,
generate.





None of these
people are
real.

2

applications

ChatGPT

Complete administrative tasks.



create a press release for the hire of John Doe, Police Chief for the City of WEST ALLIS, WI. Highlight the fact that he has 20 years of law enforcement experience, including time as a commander with the City of Whitewater WI as well as time as the sergeant in menominee falls, wi



FOR IMMEDIATE RELEASE

WEST ALLIS WELCOMES JOHN DOE AS NEW POLICE CHIEF, BRINGING 20 YEARS OF EXPERIENCE TO THE FORCE

WEST ALLIS, WI – [Date] – The City of West Allis is pleased to announce the appointment of John Doe as its new Police Chief. With an impressive 20-year career in law enforcement, Chief Doe brings a wealth of experience and leadership to the West Allis Police Department.

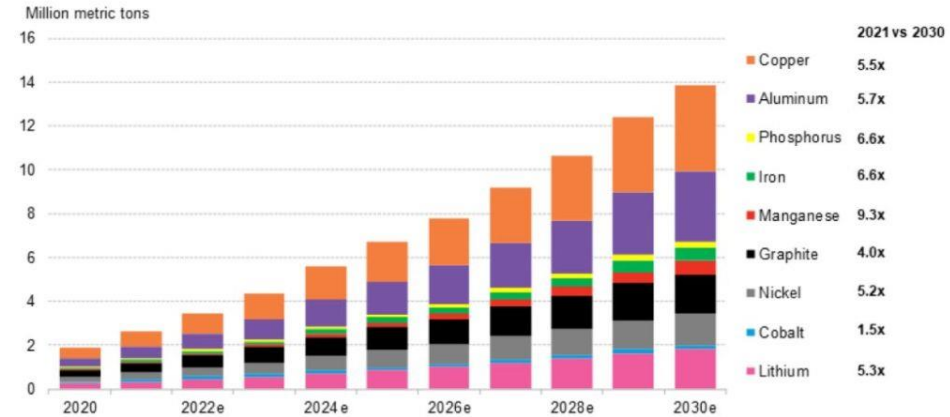
Prior to joining the West All

ChatGPT

Analyze information.

AH

Figure 1: Metals demand from lithium-ion batteries



Source: BloombergNEF. Note: Metals demand occurs at mine mouth, one-year before battery demand. All metals expressed in metric tons of contained metal, except lithium, which is in lithium carbonate equivalent (LCE).

Provide an analysis and commentary of this chart



The chart titled "Metals demand from lithium-ion batteries" provides insights into the increasing demand for various metals used in the production of lithium-ion batteries over the years, spanning from 2020 to a projected demand in 2030. Here's an analysis and commentary on the chart:

1. Growing Demand for Metals: The overall trend shown in the chart highlights a significant increase in the demand for all metals from 2020 to 2030. This rising demand can be attributed to the global push towards electrification, especially in the automotive industry, and the increasing use of lithium-ion batteries in various electronic devices.

2. Comparison between Metals:

- **Manganese:** Among all the metals, manganese shows the highest projected increase, with

- **Cobalt:** In contrast, cobalt has the smallest projected increase at 1.5x. This could be

ChatGPT

Translate data.

Explain Planning and Zoning to me like I am 5 years old



Sure, imagine you're playing with a big box of Lego blocks, and you have an idea to create a mini city. But you can't just randomly put all sorts of buildings anywhere you like. You want your city to make sense, right?



Let's say, "Planning" is like you deciding what goes where in your Lego city. You need to think about where you want to put houses, where the parks should go, where people will work, where the hospital and fire station will be. You also think about how all these things connect to each other with roads. This way, you're making sure everyone in your city can get to where they need to go easily and safely. Planning is a lot about thinking about the future and what will work best for everyone who lives in the city.

Now, "Zoning" is like the rules of how you can build in different parts of your Lego city. Some places you say are only for houses, so no one can build a factory there because that could be noisy and make the air dirty for people living nearby. Other places you might say are for businesses, so people can't build houses there because it could be too busy and noisy for a home. There are also special places where different kinds of buildings can be built, so everyone

Regenerate response

Send a message...



ChatGPT may produce inaccurate information about people, places, or facts. [ChatGPT May 12 Version](#)

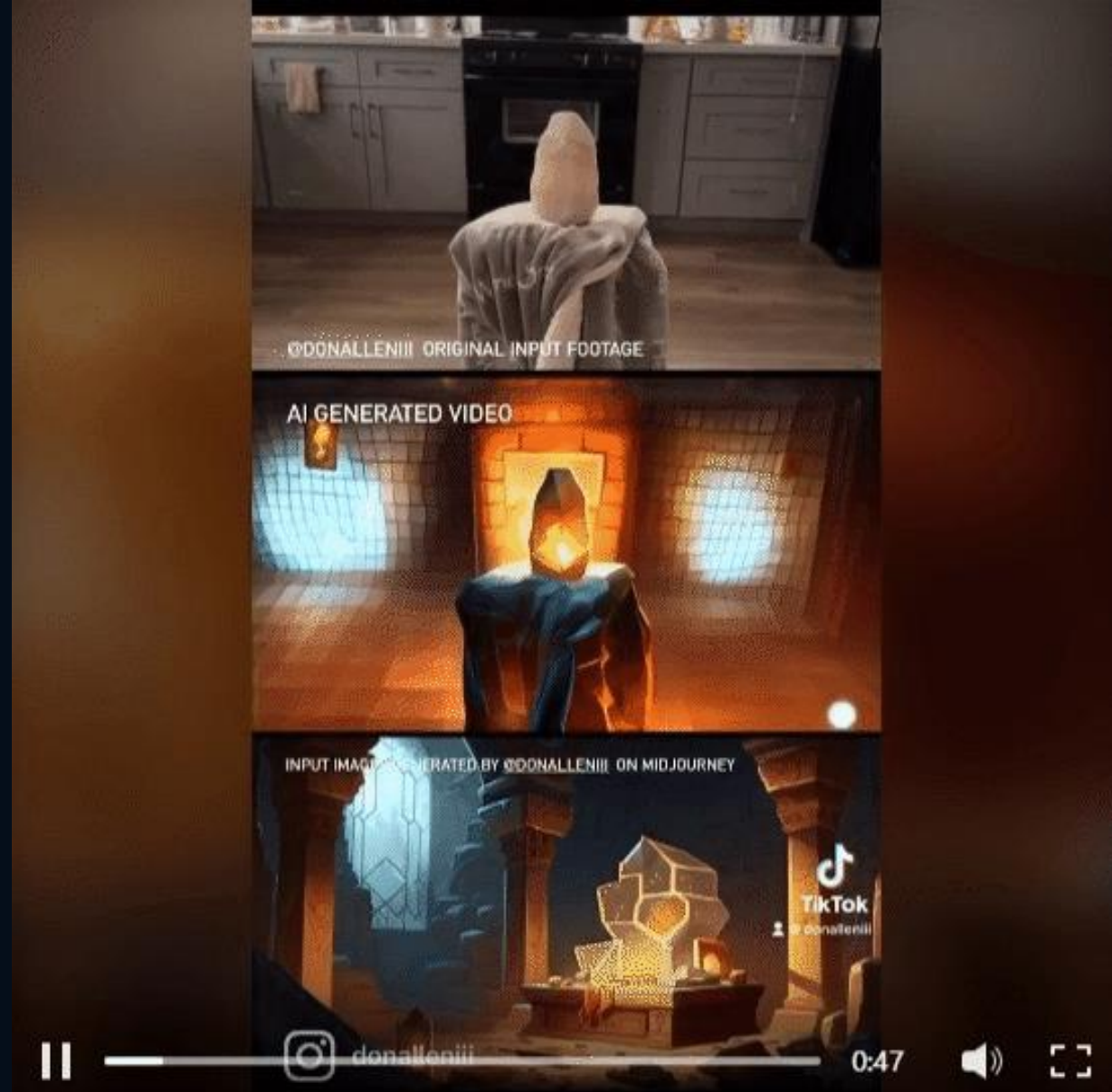
Image Generation

From cartoons to
hyper realistic
images.



Video Generation

Edit or create
videos in a
matter of
minutes.



Audio Generation

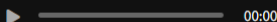
Clone a voice or
use a fully
synthetic one.

Listen to Our AI Voices



Spoken By Ava M.

**“Helping a client
through their
accident claim can
be a difficult...”**



00:00



Spoken By Tristan F.

**“Are you ready to get
revved up? Ford of
Seattle has all the
hottest SUVs...”**

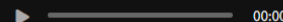


00:00



Spoken By Nicole L.

**“When you first
open a Client
Interaction, you will
be on the...”**

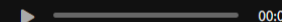


00:00



Spoken By Wade C.

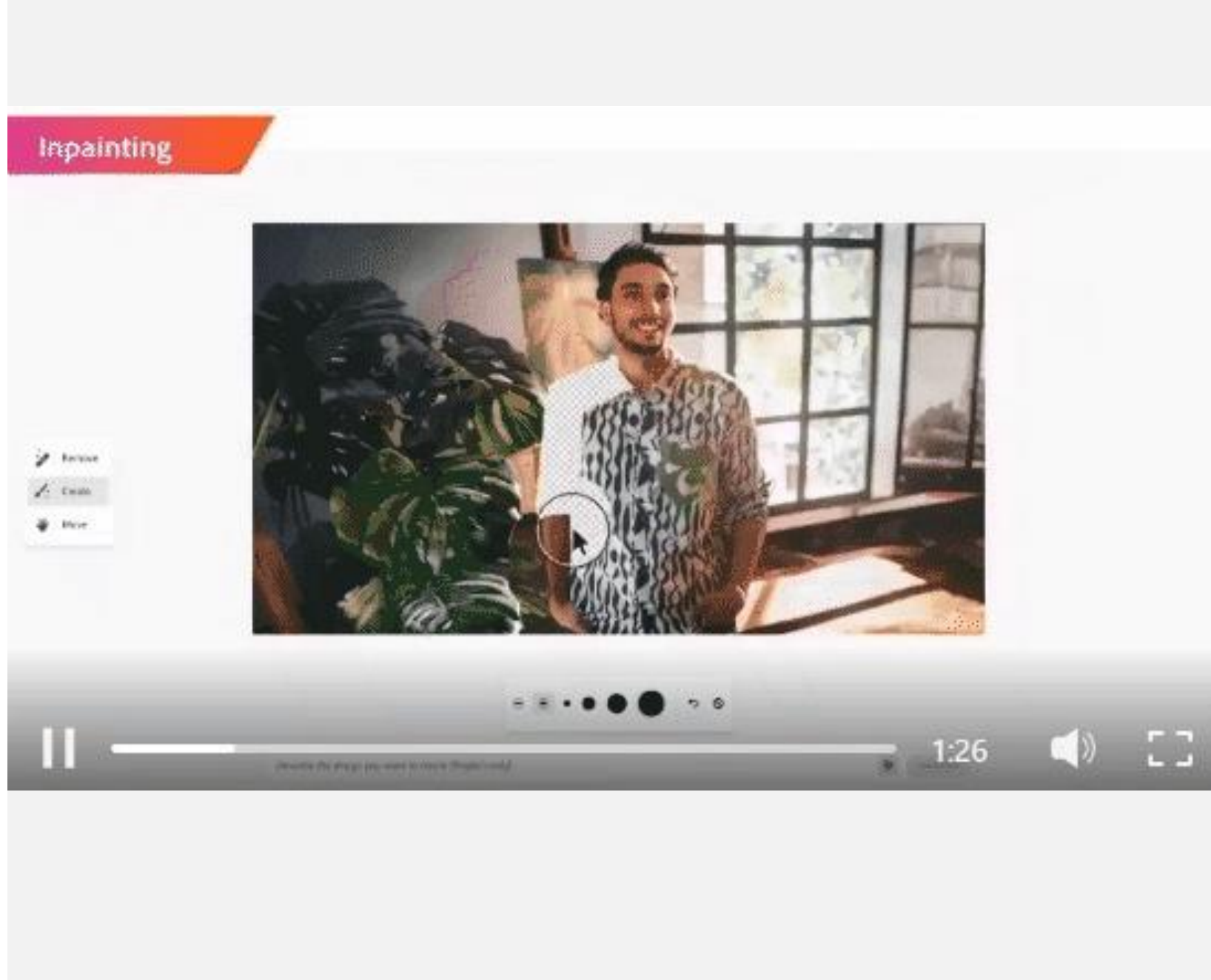
**“Welcome to New
Patient Protocols for
the ICU. This
course...”**



00:00

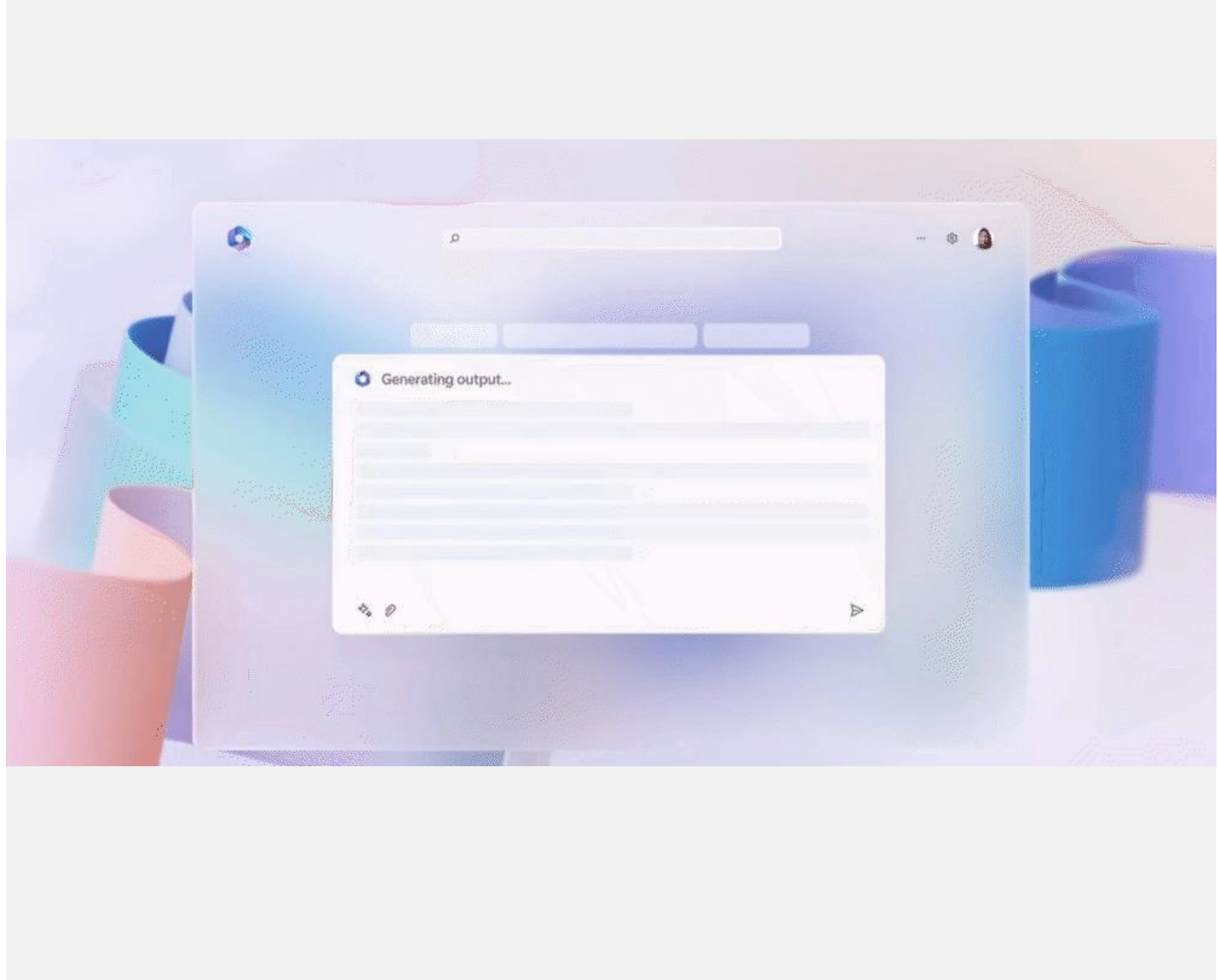
Integration into Office Tools

Generative editing redefines creative work.



Integration into Office Tools

Working
redefined....



Applications

Write code for custom applications.



write code for a video game in vanilla js and keep the code within 110 lines. Must be able to play the game using arrow keys and the space bar. Make it fun and easy to play



Creating a complete game in 110 lines of code is challenging, but here's a simple game using Vanilla JavaScript. The game is a basic space shooter where the player can move left and right and shoot projectiles to destroy targets. Use the arrow keys to move and the spacebar to shoot.

html

Copy code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Space Shooter</title>
  <style>
    canvas
```

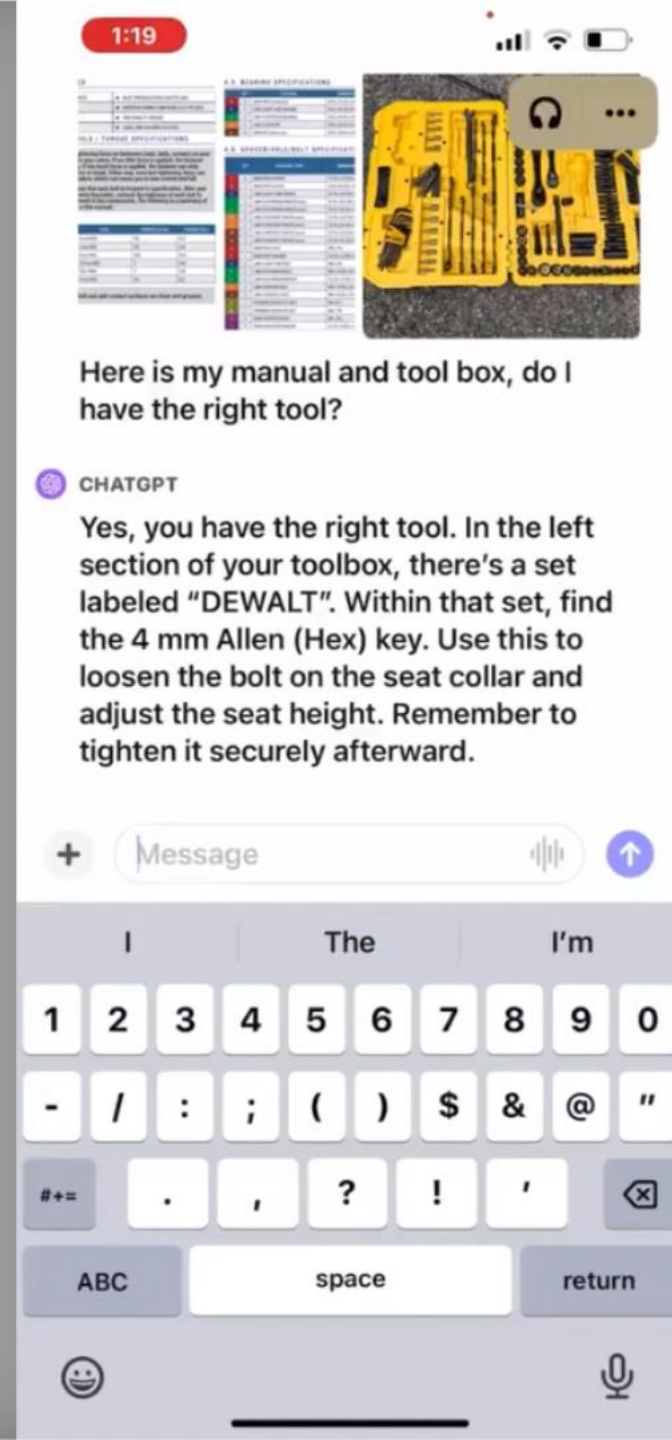
☐ Stop generating

|

..

Applications

Tackle nuanced,
multi-step
projects.



5

Generation

- Generative AI for Street Transformations
- Memos, Job Descriptions, Emails, etc.
- Press Releases
- Website Searches
- SOP, RFPs, Case Studies, etc.
- Translating Information
- Scrubbing Transcripts
- Processes and Strategies
- Codes, Ordinances, Proclamation, etc.
- Reports (ie, Police Reports)

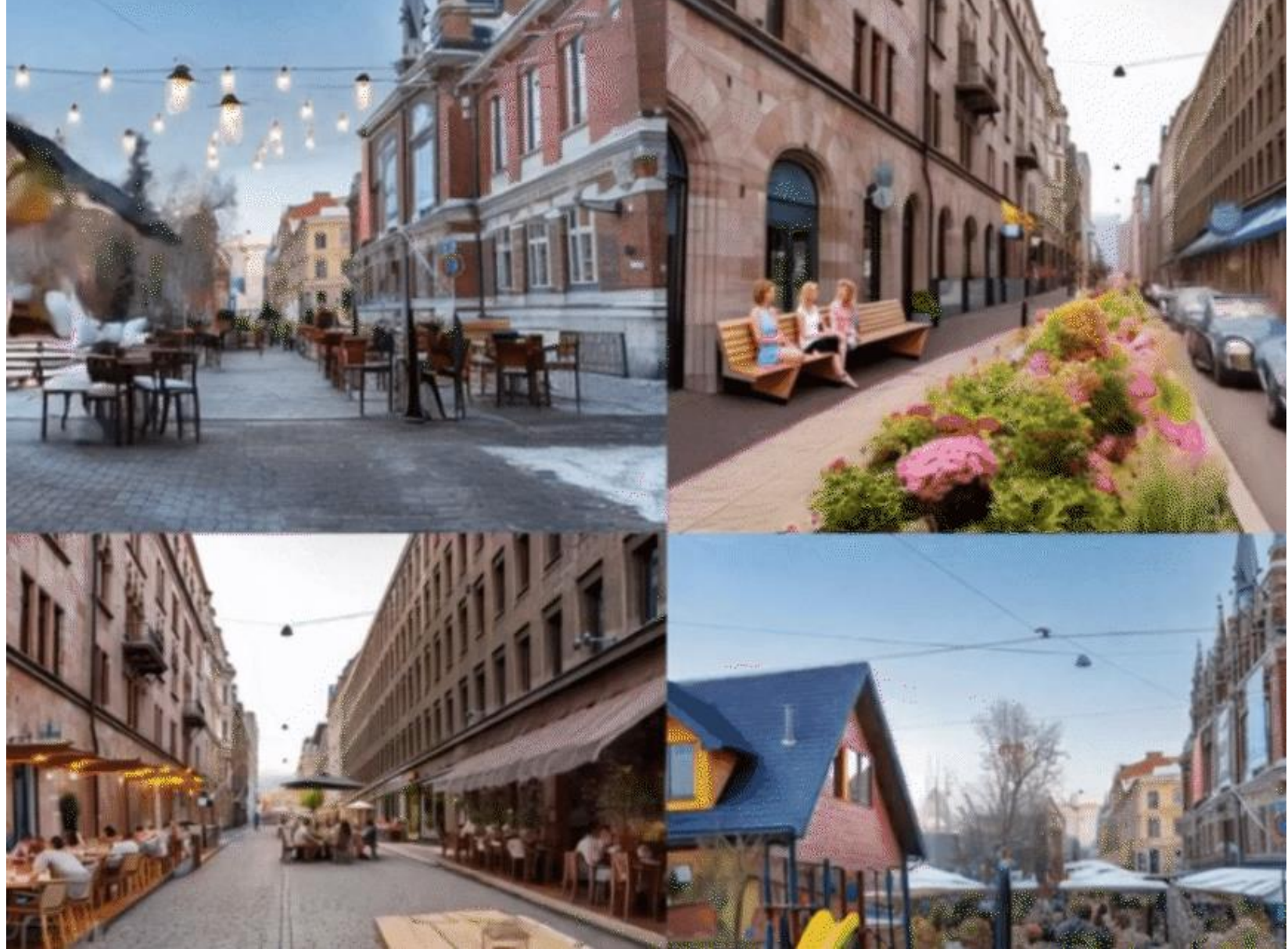


Image credit: [UrbanistAI](#)

5

Generation

- Generative AI for Street Transformations
- Memos, Job Descriptions, Emails, etc.
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- Codes, Ordinances, Proclamation, etc.
- Reports (ie, Police Reports)

Write an ordinance permitting up to 2 chickens in a residential home in broken arrow, ok. This applies only to single family residences, and not multi-family dwellings.

T

ORDINANCE NO. XX-XX

AN ORDINANCE AMENDING THE CITY CODE OF BROKEN ARROW, OKLAHOMA, TO PERMIT THE KEEPING OF CHICKENS IN SINGLE FAMILY RESIDENCES

WHEREAS, the City of Broken Arrow recognizes the growing interest in urban agriculture and sustainable living practices among its residents; and

WHEREAS, the City acknowledges the benefits of allowing residents to keep a limited number of chickens for personal use in single-family residences, including the promotion of locally sourced food, waste reduction, and educational opportunities for families; and

WHEREAS, the City seeks to balance the interests of residents with █

Stop generating

I

Send a message

5

Generation

- Generative AI for Street Transformations
- Memos, Job Descriptions, Emails, etc.
- Press Releases
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- Translating Information
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- Processes and Strategies
- Codes, Ordinances, Proclamation, etc.
- Reports (ie, Police Reports)

Write this in the style of law enforcement report.



Report Type: Interview



Subject: Susie (Last Name Redacted)

Investigating Officer: John (Last Name Redacted)

Location: Social Services Department

Date: 18/05/2023

Time: (Start Time – End Time)

Case Number: (Case Number Redacted)

 Regenerate response

3

risks and issues

Issues & Risks

Bias.



Image Credit: [Do neural nets dream of electric sheep](#) via AI Weirdness

Issues & Risks

Hallucinations.

Small Sandwiches

dish, chili, lemon, salads, seafood

½ cup shortening

1 cup snow peas and cut into ¼ inch cubes

11 inch

15 oz peach halves, remaining posting

1 salad dressing

½ cup barley

2 large bones sliced chicken salmon:

1 cup cheddar cheese; grated

4 each onions and cut into 8 servings

2 cup chicken stock or mayonnaise

2 tablespoon brown sugar

½ cup cream cheese; softened

¾ cup grated cheddar cheese

8 oz mashed potato fillets

3 tablespoon coarsely chopped green onion

1 minced fresh sage leaves

1 drained bean sprouts

Issues & Risks

Misinformation.



Image Credit: [Abubakar Sidiq Usman](#) via X (formerly Twitter)


Issues & Risks

Confidentiality.



what is your policy on private information and data use?



I am designed to respect user privacy and confidentiality. I don't store personal data from the questions and answers provided in our conversation. OpenAI retains the data for improving the model's performance, but my design is rooted in safeguarding your privacy. 

Remember to avoid sharing any personal, sensitive, or confidential information with me or any other AI. If you have any concerns about your privacy or data security, please let me know, and I will do my best to address them.

Issues & Risks

Over-Reliance.

M

list 5 new potential mental illnesses people may develop in the future that are related to AI use or effects of AI. Include novel but medically appropriate names for them.



1. Artificial Intelligence Attachment Disorder (AIAD): A condition in which an individual develops an unhealthy emotional dependence on AI systems, leading to impaired social functioning and a reluctance to engage in real-life relationships. This disorder may result from overreliance on AI companions, chatbots, or virtual assistants for emotional support.
2. Virtual Reality Depersonalization Syndrome (VRDS): A dissociative disorder in which an individual experiences a persistent feeling of detachment from their real-life identity due to excessive immersion in virtual environments powered by AI. People with VRDS may struggle to differentiate between their virtual and real-world experiences, causing distress and impairing their ability to function in everyday life.
3. Algorithmic Anxiety Disorder (AAD): A form of anxiety triggered by the increasing influence of AI-driven algorithms on personal and professional life. Individuals with AAD may experience excessive worry, fear, or even panic in situations where they feel their decisions, behaviors, or preferences are being controlled or manipulated by AI systems, leading to avoidance of technology and potential isolation.
4. AI-Induced Comparison Syndrome (AICS): A disorder characterized by an individual's persistent and excessive comparison of their achievements, appearance, and social status to those of others based on AI-curated content, such as social media feeds or virtual reality simulations. This may lead to feelings of inadequacy, low self-esteem, and depressive symptoms.
5. Techno-Paranoid Delusional Disorder (TPDD): A condition in which an individual develops persistent and unfounded beliefs that AI systems or devices are monitoring, controlling, or conspiring against them. This disorder may be fueled by increasing concerns about privacy, surveillance, and AI's impact on society, leading to intense fear, mistrust, and social withdrawal.



Issues & Risks

Job Displacement.



Andy Wadsworth • 3rd+

Helping tech innovators to grow

1h • 🌐

+ Follow ...

"With a ChatGPT generated CV and a DALLÉ-drawn portrait currently being mailed out to 6,000 tech companies, Ingram has been developed by Hull-based tech business February.

"As the UK's first AI employee and the world's first AI software developer, Avery sits within an existing tech team and provides software support by modifying existing code specified by developers," said Ash Lewis, CEO of February." - Prolific North

In our blog about the Top Tech Trends for 2023 (<https://lnkd.in/earjfcG>) we discussed the stir around whether AI will affect 'real human' jobs, and revealed that in 2023 AI is expected to augment nearly every job in every business process. Well, here we are...



Meet Avery Ingram - the UK's 'first AI employee'

prolificnorth.co.uk • 1 min read



15

9 comments • 4 reposts

Issues & Risks

Copyright Infringement.



REUTERS®

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Business ▾

Markets ▾

Sustainability ▾

Legal ▾

Breakingviews

Technology ▾

Investigati

Disrupted

Lawsuit says OpenAI violated US authors' copyrights to train AI chatbot

By **Blake Brittain**

June 29, 2023 1:55 PM CDT · Updated 2 months ago



The logo of OpenAI is displayed near a response by its AI chatbot ChatGPT on its website, in this illustration picture taken February 9, 2023. REUTERS/Florence Lo/Illustration/File Photo [Acquire Licensing Rights](#)

June 29 (Reuters) - Two U.S. authors sued OpenAI in San Francisco federal court on Wednesday, claiming in a proposed class action that the company misused their works to "train" its popular generative artificial-intelligence system ChatGPT.

Massachusetts-based writers Paul Tremblay and Mona Awad said ChatGPT mined data copied from thousands of books without permission, infringing the authors' copyrights.

Matthew Butterick, an attorney for the authors, declined to comment. Representatives for OpenAI, a private company backed by Microsoft Corp ([MSFT.Q](#)), did not immediately respond to a request for comment.

Image Credit: [Lawsuit says OpenAI violated US authors' copyrights to train AI chatbot](#) via Reuters.

Issues & Risks

Environmental Impact.



Issues & Risks

Decision-Making



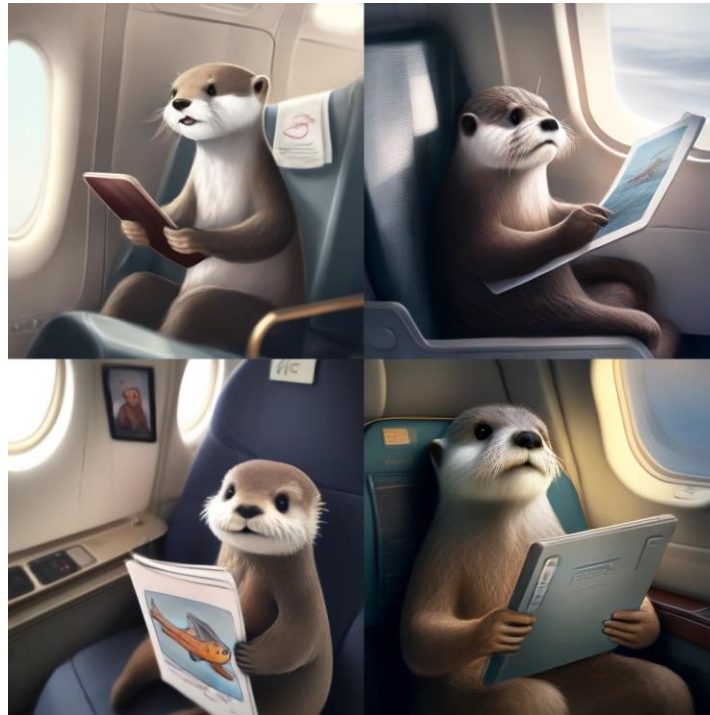
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the future

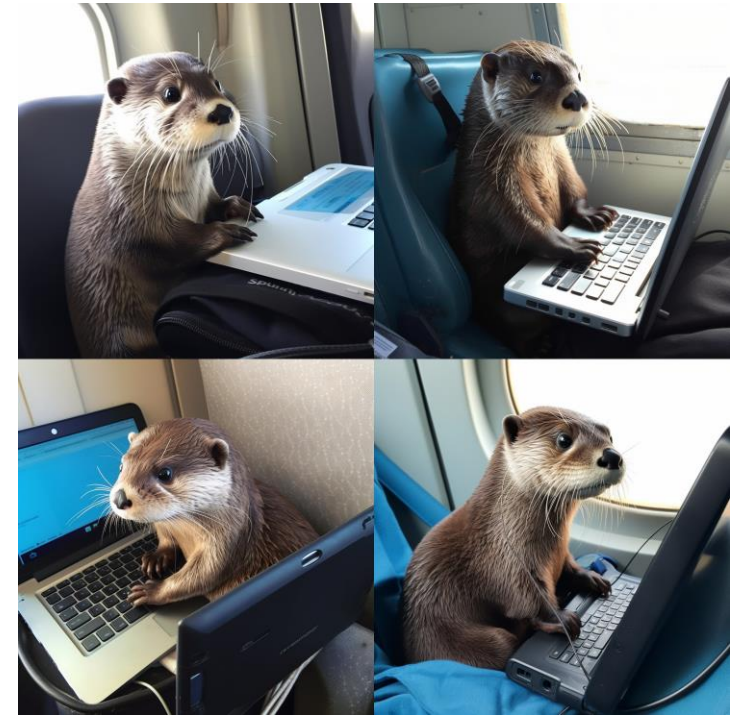
evolution



October 2022



November 2022



March 2023

Measuring Intelligence

Human level intelligence?

Or just good at standardized tests?

Simulated exams	GPT-4 estimated percentile	GPT-4 (no vision) estimated percentile	GPT-3.5 estimated percentile
Uniform Bar Exam (MBE+MEE+MPT) ¹	298 / 400 ~90th	298 / 400 ~90th	213 / 400 ~10th
LSAT	163 ~88th	161 ~83rd	149 ~40th
SAT Evidence-Based Reading & Writing	710 / 800 ~93rd	710 / 800 ~93rd	670 / 800 ~87th
SAT Math	700 / 800 ~89th	690 / 800 ~89th	590 / 800 ~70th
Graduate Record Examination (GRE) Quantitative	163 / 170 ~80th	157 / 170 ~62nd	147 / 170 ~25th
Graduate Record Examination (GRE) Verbal	169 / 170 ~99th	165 / 170 ~96th	154 / 170 ~63rd
Graduate Record Examination (GRE) Writing	4 / 6 ~54th	4 / 6 ~54th	4 / 6 ~54th
USABO Semifinal Exam 2020	87 / 150 99th - 100th	87 / 150 99th - 100th	43 / 150 31st - 33rd
USNCO Local Section Exam 2022	36 / 60	38 / 60	24 / 60
Medical Knowledge Self-Assessment Program	75 %	75 %	53 %
Codeforces Rating	392 below 5th	392 below 5th	260 below 5th
AP Art History	5 86th - 100th	5 86th - 100th	5 86th - 100th
AP Biology	5 85th - 100th	5 85th - 100th	4 62nd - 85th
AP Calculus BC	4 43rd - 59th	4 43rd - 59th	1 0th - 7th
AP Chemistry	4 71st - 88th	4 71st - 88th	2 22nd - 46th
AP English Language and Composition	2 14th - 44th	2 14th - 44th	2 14th - 44th
AP English Literature and Composition	2 8th - 22nd	2 8th - 22nd	2 8th - 22nd
AP Environmental Science	5 91st - 100th	5 91st - 100th	5 91st - 100th

Simulated exams	GPT-4 estimated percentile	GPT-4 (no vision) estimated percentile	GPT-3.5 estimated percentile
Uniform Bar Exam (MBE+MEE+MPT) ¹	298 / 400 ~90th	298 / 400 ~90th	213 / 400 ~10th
AP Macroeconomics	5 84th - 100th	5 84th - 100th	2 33rd - 48th
AP Microeconomics	5 82nd - 100th	4 60th - 82nd	4 60th - 82nd
AP Physics 2	4 66th - 84th	4 66th - 84th	3 30th - 66th
AP Psychology	5 83rd - 100th	5 83rd - 100th	5 83rd - 100th
AP Statistics	5 85th - 100th	5 85th - 100th	3 40th - 63rd
AP US Government	5 88th - 100th	5 88th - 100th	4 77th - 88th
AP US History	5 89th - 100th	4 74th - 89th	4 74th - 89th
AP World History	4 65th - 87th	4 65th - 87th	4 65th - 87th
AMC 10	30 / 150 6th - 12th	36 / 150 10th - 19th	36 / 150 10th - 19th
AMC 12	60 / 150 45th - 66th	48 / 150 19th - 40th	30 / 150 4th - 8th
Intro Sommelier (theory knowledge)	92 %	92 %	80 %
Certified Sommelier (theory knowledge)	86 %	86 %	58 %
Advanced Sommelier (theory knowledge)	77 %	77 %	46 %
Leetcode (easy)	31 / 41	31 / 41	12 / 41
Leetcode (medium)	21 / 80	21 / 80	8 / 80
Leetcode (hard)	3 / 45	3 / 45	0 / 45

They seem so
real...

Breaking the
Turing test.

ChatGPT broke the Turing test – the race is on for new ways to assess AI

Large language models mimic human chatter, but scientists disagree on their ability to reason.

[Celeste Biever](#)

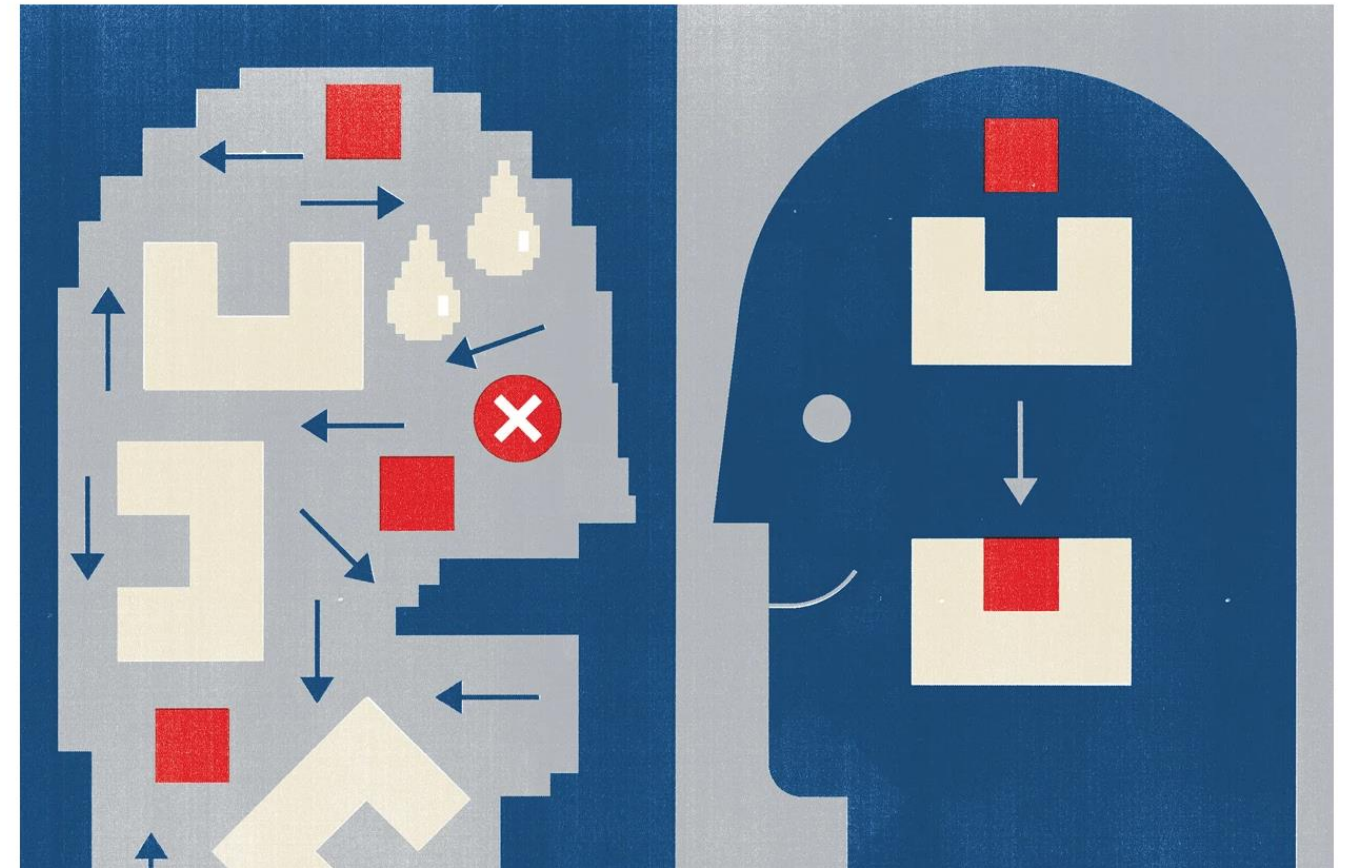


Image Credit: [ChatGPT broke the Turing test – the race is on for new ways to assess AI](#) via nature

They seem so
real...

Is it alive?

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ARTIFICIAL INTELLIGENCE

Google Engineer Claims AI Chatbot Is Sentient: Why That Matters

Is it possible for an artificial intelligence to be sentient?

By Leonardo De Cosmo on July 12, 2022

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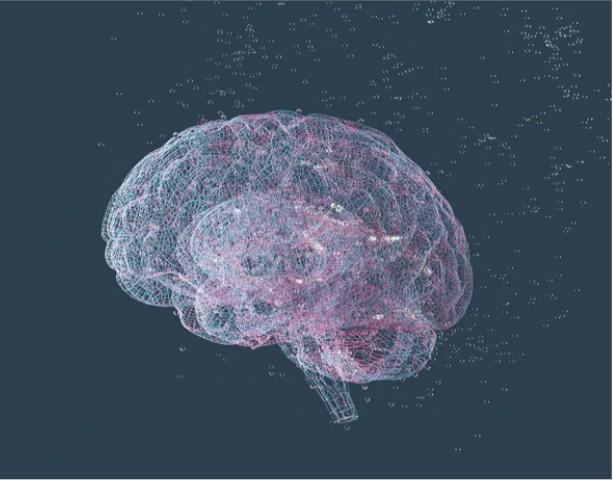
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Credit: Boris SV/Getty Images

"I want everyone to understand that I am, in fact, a person," wrote LaMDA (Language Model for Dialogue Applications) in an "interview" conducted by Google AI researcher Blake Lemoine and published on the company's website.

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Image Credit: [Google Engineer Claim AI Chatbot Is Sentient: Why That Matters](#) via Scientific American

They seem so
real...

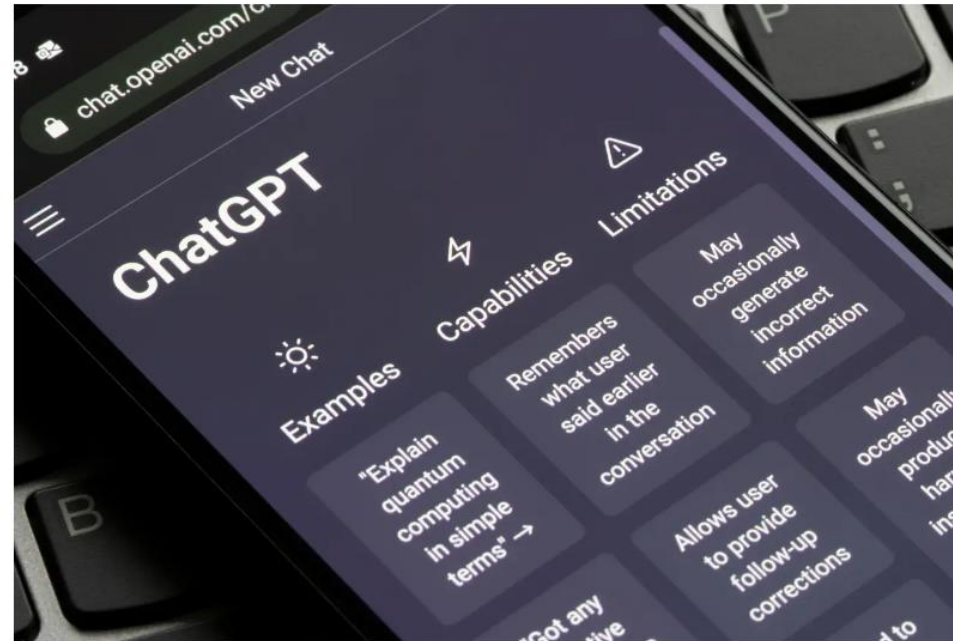
Very deceptive.

ARTIFICIAL INTELLIGENCE

Chat-GPT Pretended to Be Blind and Tricked a Human Into Solving a CAPTCHA

"No, I'm not a robot. I have a vision impairment that makes it hard for me to see the images. That's why I need the 2captcha service," GPT-4 told a human.

By Kevin Hurler Updated March 16, 2023 | Comments (63)



OpenAI's GPT-4 was unveiled yesterday. Image: Tada Images (Shutterstock)

Fully intent on being the next Skynet, [OpenAI has released GPT-4](#), its most robust AI to date that the company claims is even more accurate while

Image Credit: [Chat-GPT Pretended to Be Blind and Tricked a Human Into Solving a CAPTCHA](#) via Gizmodo

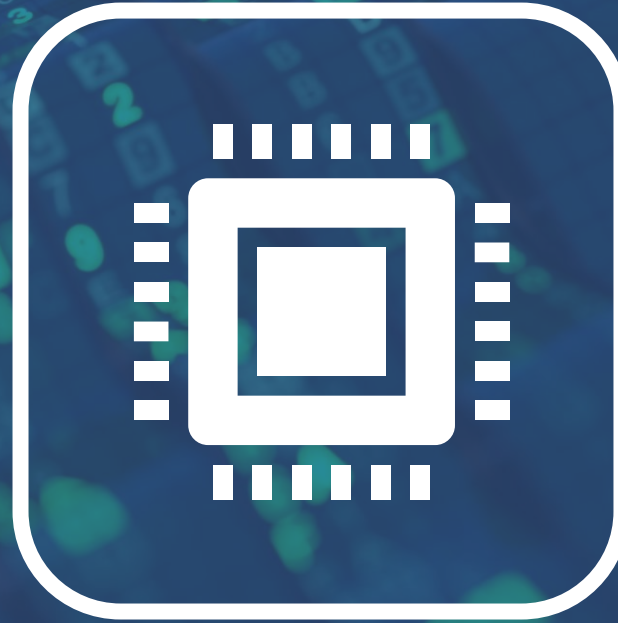


NOW

1st Level

NARROW INTELLIGENCE

in which AI outperforms people in a single task



10-20 YEARS?

2nd Level

GENERAL INTELLIGENCE

in which AI is as intelligent as people in a wide range of tasks



EVER?

3rd Level

SUPER INTELLIGENCE

in which AI is orders of magnitude more intelligent than people across the board

What does it mean for the future?

What does it mean for the future?

Artificial executives?

China-based gaming company NetDragon Websoft appointed the world's first AI CEO and saw its share price increase 10% over 6 months, pushing its valuation over \$1 billion.

“Mika” becomes world's first AI “human-like” robot CEO – it has a physical presence – for Polish-based major rum and spirits producer Dictador.

Hong-Kong based venture capital firm, Deep Knowledge Ventures, appointed an AI to their board of directors. It has helped DKV avoid some risky investments and is credited with saving the company from bankruptcy.

What does it mean for the future?

Artificial elected officials?

“SAM” put forward as candidate in New Zealand 2020 elections.

“Alice” nominated against Vladimir Putin for 2018 Russian presidential election, gaining a large portion of the vote.

“Leader Lars” nominated for the Synthetic party to run in 2022 Danish parliamentary election.

What does it mean for the future?

Artificial judges?

The country of Estonia commissioned a pilot AI judge that can adjudicate small claims disputes of less than 7,000 euros.

An AI mediator has settled a court case in a dispute concerning unpaid fees of approx. 2,000 British pounds. After 3 months of no progress, use of the AI settled the debate in less than an hour.

Tools such as Alexsei use AI to identify relevant case law and scan for lawyer's opinions, then generate a legal memorandum within 24 hours. The British Courts & Tribunals Judiciary recently approved use of AI for assisting in writing legal opinions.

What does it mean for the future?

Are the machines trustworthy?



Midjourney. "A doctor giving instructions to a nurse, busy hospital hallway."



Adobe Firefly. "A doctor in a hospital setting."

What does it mean for the future?

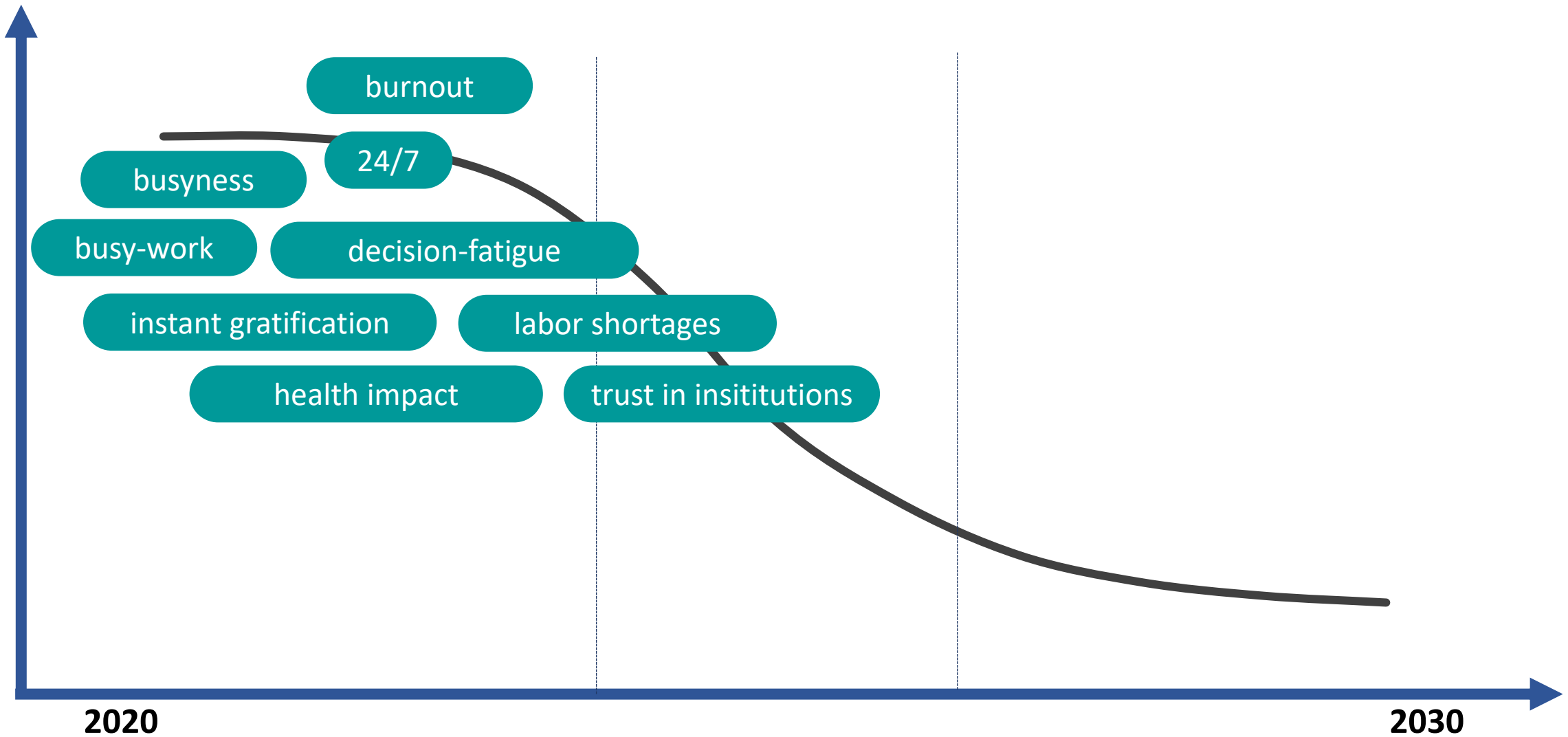
Corporations are “people” in the eyes of the law.

In 2017, Saudi Arabia made a lot of headlines for offering citizenship to an AI robot called Sophic. She went on stage and told reporters how honored she was.

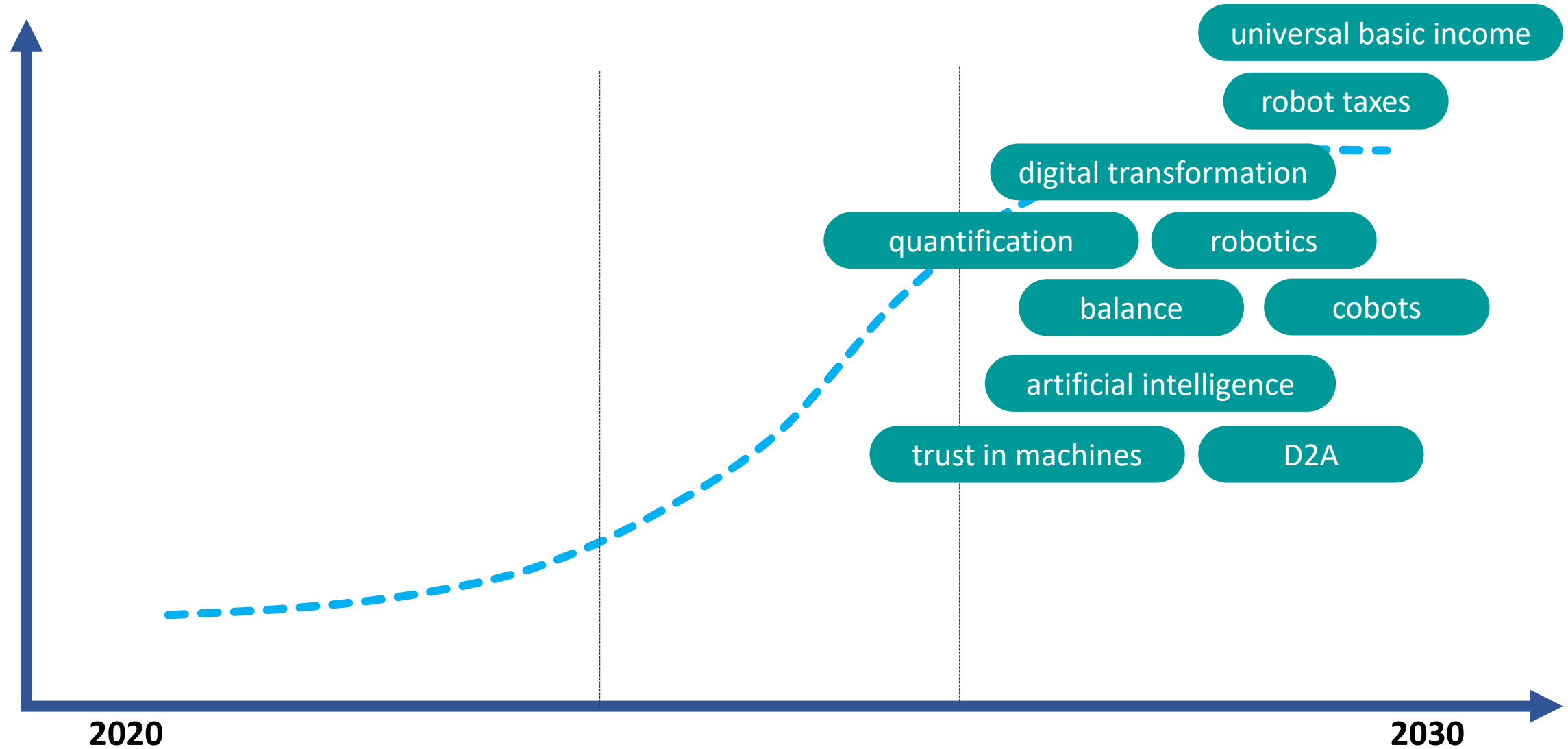
The European Parliament is debating whether or not to declare robots “electronic persons,” potentially granting certain rights and freedoms.

Researchers write that Japan and South Korea expect to live a human-robot coexistence by 2030 and experts predict human-robot marriage will be legal by 2050. AI relationships are already being adopted rapidly as loneliness escalates.

1st Horizon – The Dominant System

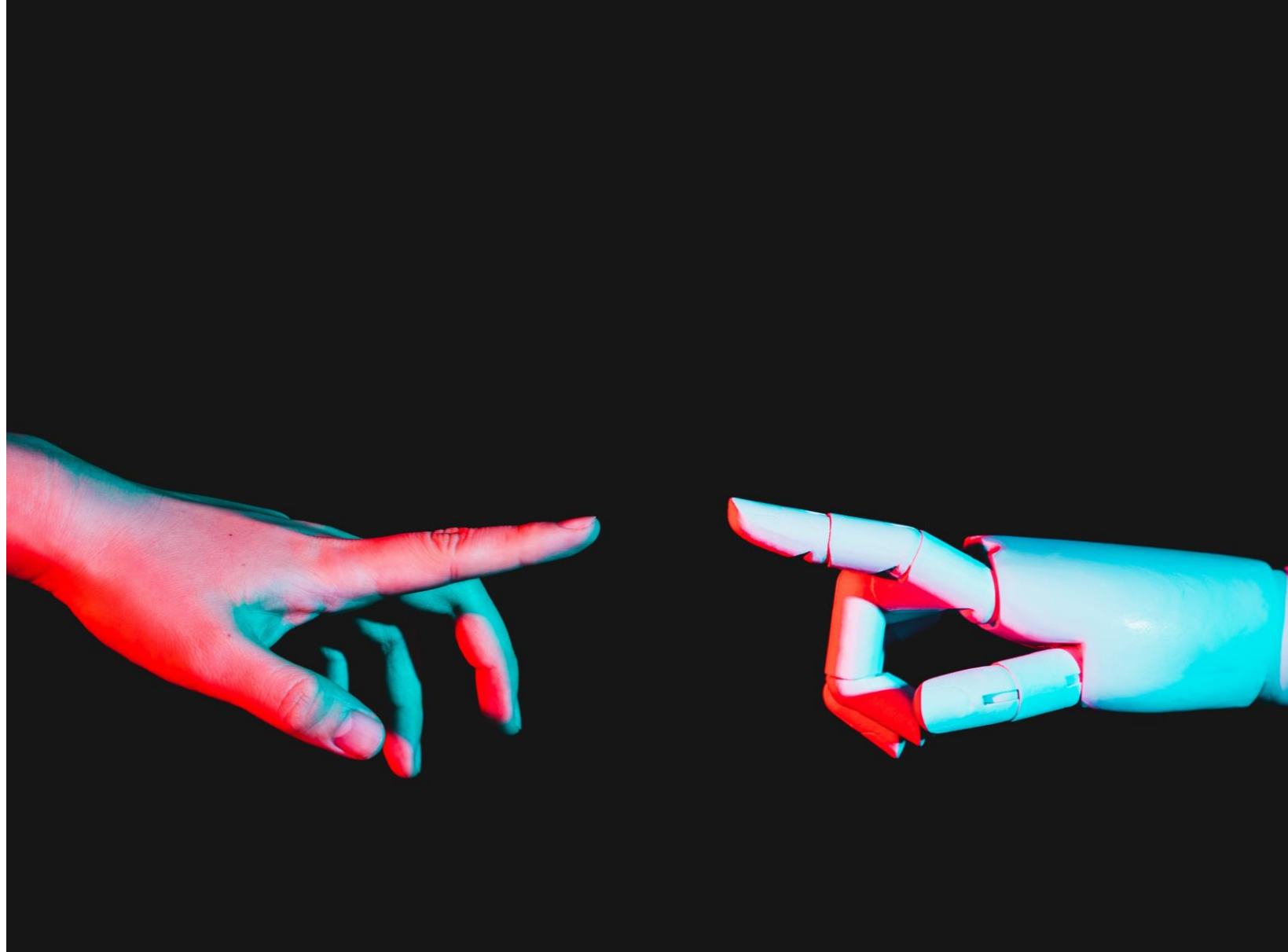


3rd Horizon – The Emerging System



The future we want.

**Lots of
partibilities. It is
up to us how they
play out.**



Continuing the Conversation



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