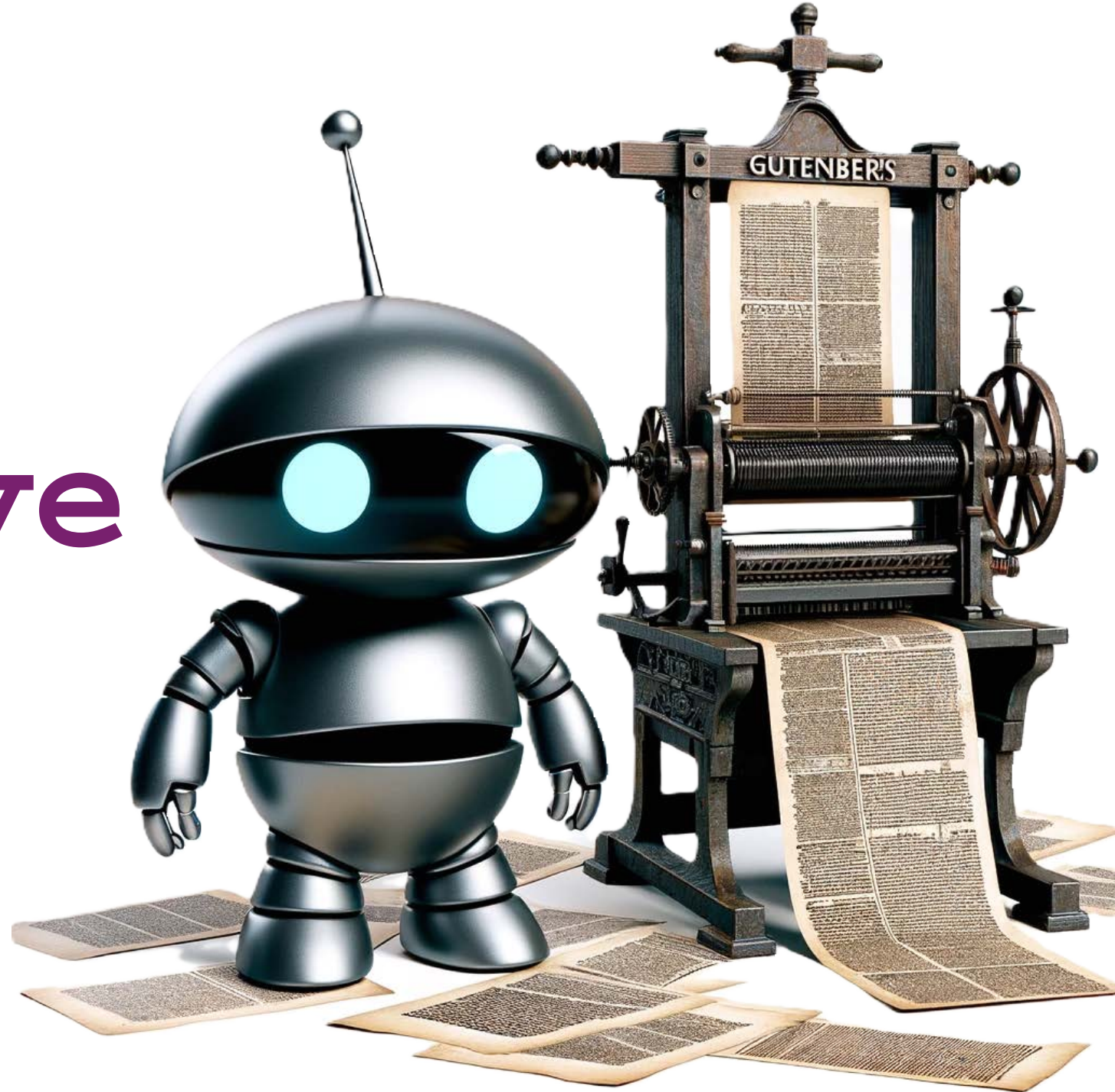


Generative AI



There are those that make things happen.

There are those that watch things happen.

There are those that ask, "what happened?"

**... And there are those who are unaware that anything
happened at all.**

**What
happened?**

ChatGPT: Optimizing Language Models for Dialogue

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. ChatGPT is a sibling model to InstructGPT, which is trained to follow an instruction in a prompt and provide a detailed response.

[TRY CHATGPT ↗](#)





**CEO of OpenAI,
Sam Altman**



**CEO of OpenAI, Sam
Altman**





Mustafa Suleyman

**general
purpose technology**

Each year, I try to update you on some of the most important issues facing our company. First and foremost, may well be the impact of artificial intelligence (AI).

While we do not know the full effect or the precise rate at which AI will change our business — or how it will affect society at large — **we are completely convinced the consequences will be extraordinary and possibly as transformational as some of the major technological inventions of the past several hundred years: Think the printing press, the steam engine, electricity, computing and the Internet, among others.**

*JP Morgan Chase Chairman and CEO, Jamie Dimon.
Letter to Shareholders. (2023)*

“Mustafa.. what is AI anyway?”

“It’s a clever piece of software that’s read most of the text on the open internet, and it can talk to you about anything you want.”

“Right. So, like a person then?”

“No... AI is just another general-purpose technology, like printing or steam.”

“It will be a tool that will augment us and make us smarter and more productive. And when it gets better over time, it’ll be like an all-knowing oracle that will help us solve grand scientific challenges. On our current trajectory, we’re headed towards the emergence of something that we are all struggling to describe... And so, the metaphors, the mental models, the names, these all matter if we’re to get the most out of AI whilst limiting its potential downsides.

So, it’s in that spirit that I offer up today the following metaphor... I think AI should best be understood as something like a new digital species.

Now, don’t take this too literally, but I predict that we’ll come to see them as digital companions, new partners in the journeys of our lives. They will be capable of performing a huge range of tasks far more effectively than humans, but they will also bring new risks and challenges that we must confront.”

LIKE

a new

digital species

**an
AI-haunted
world**

**“No one really knows
where this is all
heading.”**

Mollick (2024)

“I can assure you that there is nobody who has the complete picture of what AI means, and even the people making and using the systems do not understand their full implications.”

Mollick (2024)

In November 2022, there was one “frontier class LLM” – ChatGPT.

In 2024, there are 3:

1. Claude 3
2. GPT-4
3. Google’s Gemini*

The release of the first models to clearly surpass GPT-4 are expected to occur in 2024. (GPT4o?)

“The current best estimates of the rate of improvement in Large Language Models show capabilities doubling ever 5 to 14 months.”



It is often very hard to know what these models can’t do, because *most people stop experimenting* when an approach doesn’t work.

Careful and continued prompting (with multi-turn chat) can often make an AI do something that in the early stages seemed impossible... even the creators of these frontier model LLMs do not really know what these systems are capable of.



“Things that we thought were uniquely human a year ago are going to be done by machines in the coming years, often at a “superhuman” level. We need to be ready for that to occur, while also watching out for the biases and weaknesses of these systems that might be hidden by their seemingly impressive abilities... Professions that begin to prepare for this future will do better than those that ignore the coming change.”



Watch for: The use of AI “agents”, “superhuman intelligence” (before AGI), advances in unexpected spaces ... robotics, biotech...

**Be skeptical when
someone says “AI
can’t...” do something**

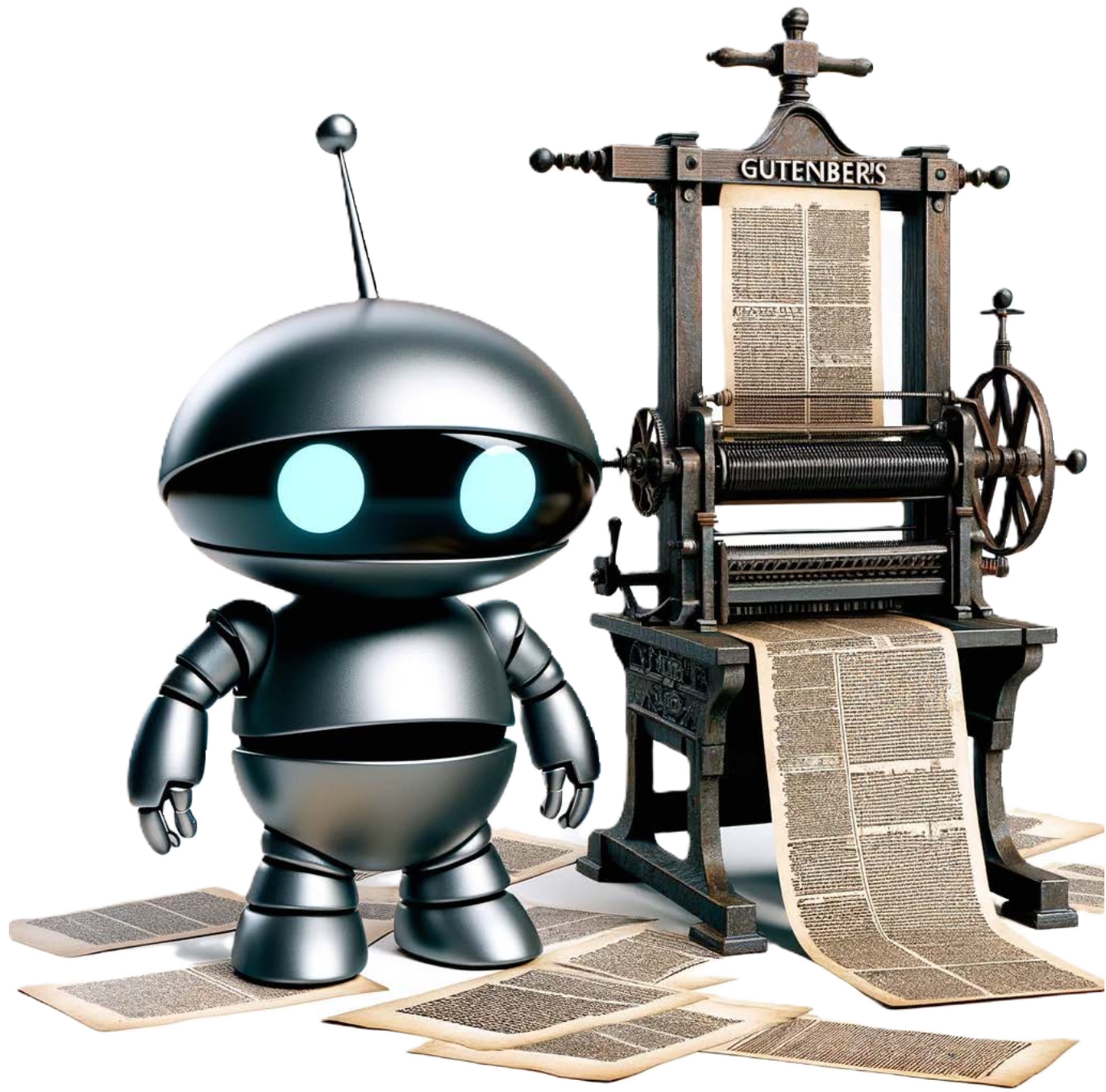
Think “YET”.

Engage with AI

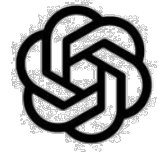
**Be the human
in the loop**

**Assume that the AI you
experience today is the
worst AI that you will ever
use.**

END

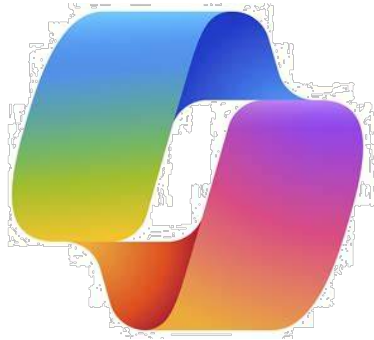


Have a go.



OpenAI

OpenAI's ChatGPT



Microsoft's Copilot

Google's Gemini

Meta AI

Read.



Mustafa Suleyman's
"The Coming Wave"

Kate Crawford's
"Atlas of AI"



Ethan Mollick's
*"Co-Intelligence:
Living and Working With AI"*

