

WILL CHATGPT CHANGE THE WORLD?

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nyacc.org → “BBS” → “2023-03-09”

WHAT IS CHATGPT?

OPENAI

- OpenAI started as a non-profit in San Francisco in 2015 with \$1B seed money from Elon Musk, Peter Thiel, and other donors.
- Transitioned to for-profit in 2019 and partnered with Microsoft. Not so open anymore.

OPENAI

- Released DALL-E (January 2021) and DALL-E 2 (September 2022) digital painting AI.



OPENAI

- Released Whisper AI (September 2022) – AI model you can download and run on your own machine that captions audio and video better than YouTube’s AI does.

OPENAI'S GPT-3

- Released in 2020.
- “autoregressive language model”.
- Trained with mountains of real-world language data.
- Given a sample, it predicts what’s most likely to follow after that sample
- Different scales: letter, word, phrase, sentence, paragraph

OPENAI'S GPT-3

Can be used to generate new data

- Start with random noise.
- Forge the random noise by progressively tweaking it until it scores higher on the model's "looks good" score.

OPENAI'S CHATGPT

- Built on GPT-3
- Trained with all of the text OpenAI could get from the Internet.
- Understands human languages and computer code.
- Thousands of man-hours of human workers scoring its activity in the training stage.

OPENAI'S CHATGPT

“Not in any way intelligent. It is a clever regurgitator of intelligence.”

Steve Gibson, Security Now #915 (twit.tv)

transcript | show notes

video : 1h33m36s to 1h47m40s

OPENAI'S CHATGPT

Steve Wolfram:

What is ChatGPT Doing ... and Why does it Work?

(make a coffee – 70 page book length blog post)

DEMO TIME

RECORDED SESSIONS

[1-Delta-V-Budget-for-Mars.html](#)

[2-Evidence-for-Jesus-existence.html](#)

[3-Swallows-and-Amazons.html](#)

[4-Deception-in-Ghost-Kitchens.html](#)

LIVE DEMO

<https://chat.openai.com/chat>

NEWS STORIES

COMMERCIALIZING CHATGPT

Microsoft says Bing has crossed 100 million daily active users

“By integrating an AI chatbot into Bing earlier this year, Microsoft gave its search engine the weapon it needs to be able to compete against Google. That said, Google does have plans to launch a chatbot of its own and introduced a chat AI called Bard last month.”

COMMERCIALIZING CHATGPT

Bing's AI-Based Chat Learns Denial and Gaslighting

“Bing’s new Ai powered Chat service lied, denied, and claimed a hoax when presented with evidence that it was susceptible to Prompt Injection attacks.”

JOINING THE PARTY

ChatGPT-style search represents a 10x cost increase for Google, Microsoft

DuckDuckGo dabbles with AI search

Brave Search Engine Gains AI-Powered 'Summarizer' Option

DOWN-SIDES

LLM ChatGPT Might Change the World, but Not in a Good Way.

Long article. “Overview of 30+ hours he has spent testing and exploring ChatGPT.”

“ChatGPT and Bing are tools of censorship and oppression, not freedom, openness and community.”

DOWN-SIDES

Tom Scott: I tried using AI. It scared me.

(16 minute video)

- Tom Scott has a problem with his email backup missing all emails that have no label.
- Used ChatGPT to get him started to write the code to label all of his unlabeled emails.
- Frightened and impressed by how good of a first draft of the code he got from ChatGPT.
- “Everything is going to change,” like when Napster changed everything about music distribution.

DOWN-SIDES

Is ChatGPT Listening in?

Of course. OpenAI never said otherwise. Users might be more candid with it than they meant to be.

DOWN-SIDES

**You Are Not a Parrot And a chatbot is not a human.
And a linguist named Emily M. Bender
is very worried what will happen when we forget this.**

(long article)

ColdFusion: ChatGPT Has A Serious Problem

(18 minutes)

(also paywalled on Nebula)

ChatGPT's political bias, solutions and some wild stories of the new Bing AI going off the rails.

DOWN-SIDES

Security Now #915 show notes

(mentioned earlier)

“The team of ANY.RUN malware sandbox decided to put this to the test and see if AI can help us perform malware analysis. Lately, there’s been a great deal of discussion about malicious actors using ChatGPT — the latest conversational AI — to create malware.”

ABUSE OF OTHER SYSTEMS / DETECTING

A Watermark for Chatbots can Expose Text Written by an AI

Amazon sees boom in AI-written books for sale

Clarkesworld blocks AI-generated submissions

BONUS: SOME OTHER AI STORIES

Mia Mulder: Planned Economies And Artificial Intelligence (33 minutes)
(also paywalled on Nebula)

ChatGPT is changing the world, but what if the technology behind it can change the economy too?

BONUS: SOME OTHER AI STORIES

Fired Google Engineer Doubles Down on Claim That AI Has Gained Sentience

BONUS: SOME OTHER AI STORIES

Jason Scott: “Using IA Copilot (an experimental AI interface to Internet Archive) I could load in a book from the archive, and ask questions about the book. The answers are basically accurate.”

social media thread 1

social media thread 2

BONUS: SOME OTHER AI STORIES

Angry Tech News podcast #50 (21 minutes audio)

Lots of AI stories this week.

GET BRENDAN'S NOTES

nyacc.org → “BBS” → “2023-03-09”

Speaker notes