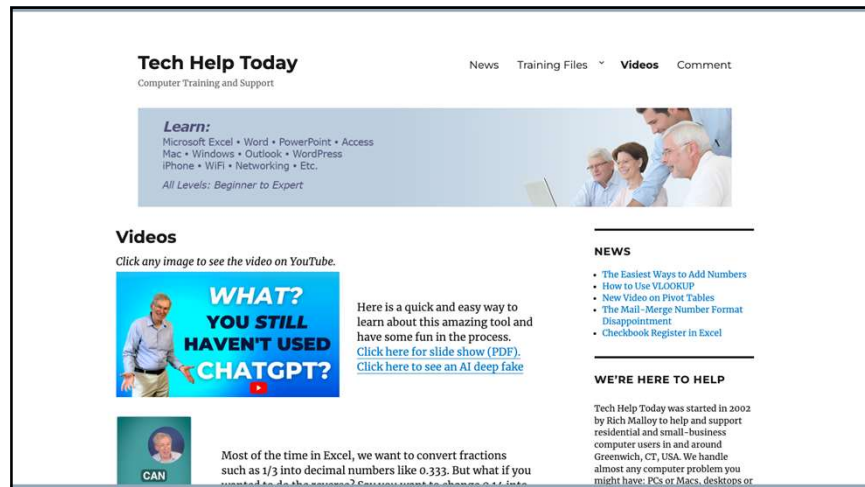




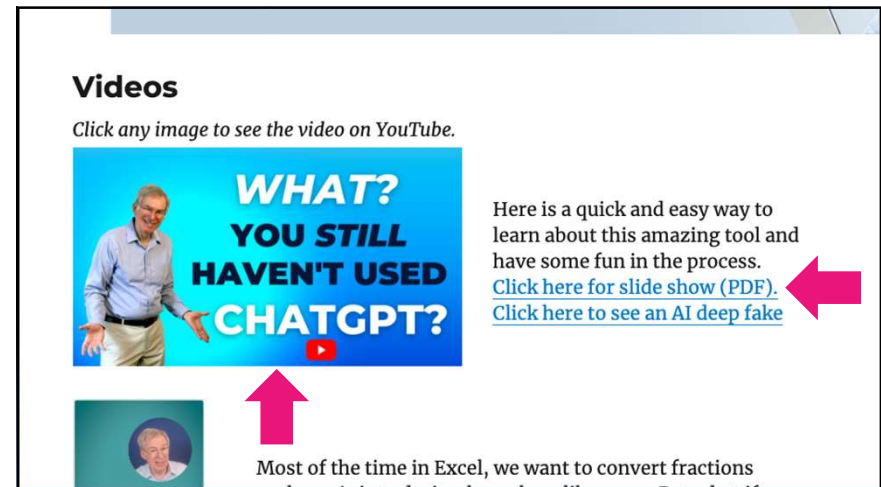
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3

Who Is Rich Malloy?

- Computer Consultant
- Former College Professor
 - IT Dept., Norwalk Community College
- Former Magazine Editor
 - Editor-in-Chief, *Mobile Computing* magazine
 - Executive Editor, *Byte* magazine
- MBA, UConn

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What's Going On?

- In 5 days, more than a million users signed up
- In 2 months, had 100 million users
 - TikTok needed 9 months



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What's Going On?



"ChatGPT is scary good. We are not far from dangerously strong AI."

— Elon Musk

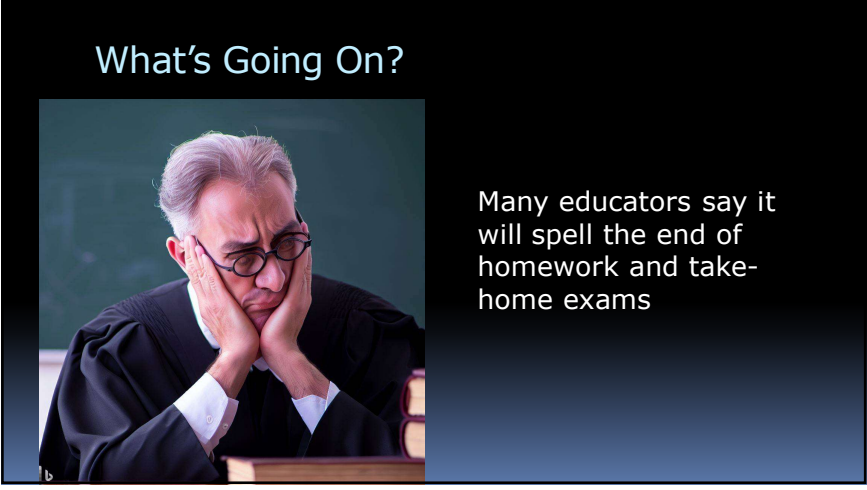
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What's Going On?

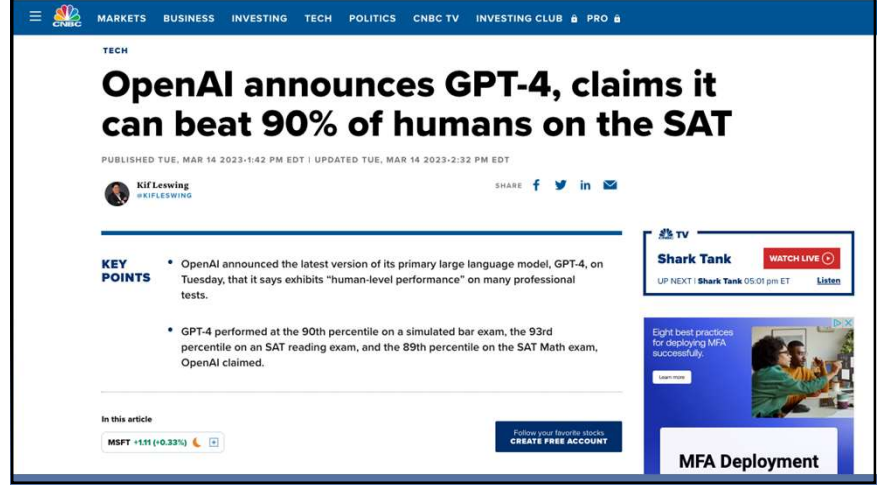
Sam Altman, CEO of OpenAI, says he is a "little bit scared" of technology such as ChatGPT.



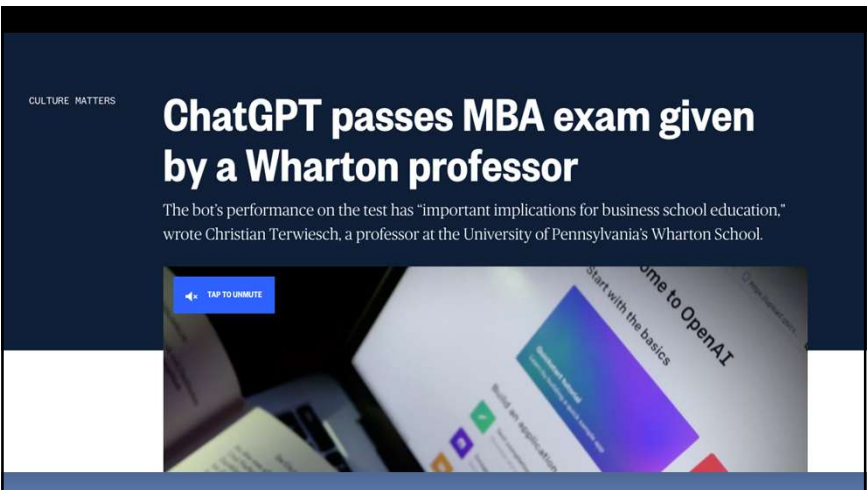
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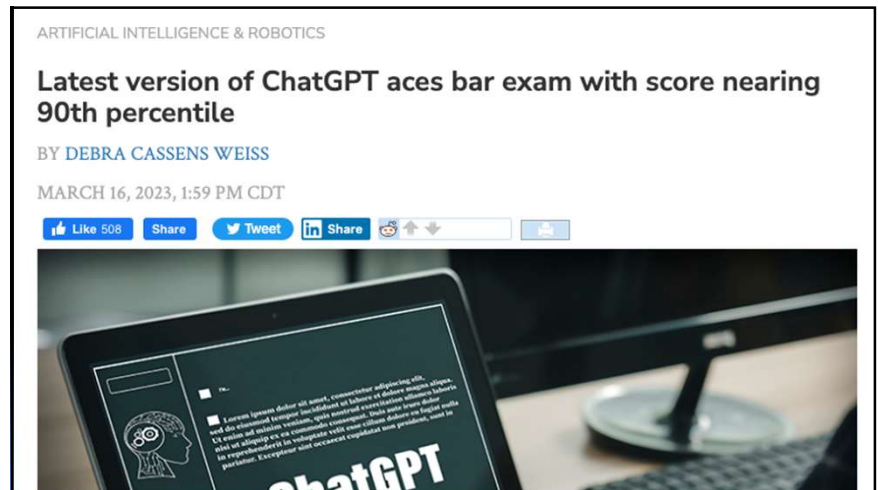
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TOOLS & STRATEGIES NEWS

ChatGPT Passes US Medical Licensing Exam Without Clinician Input

ChatGPT achieved 60 percent accuracy on the US Medical Licensing Exam, indicating its potential in advancing artificial intelligence-assisted medical education.



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What Is ChatGPT?

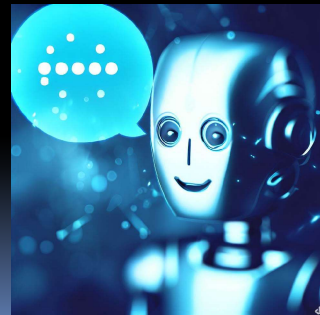
- Launched November 2022
- By OpenAI
 - Research organization,
 - Now aligned with Microsoft
- First time such a powerful AI tool is available to public



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Chatbot

- Not exactly new
- Remembers what you told it before
- Can carry on a conversation



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What Can ChatGPT Do?

- Answer questions
- Carry on a conversation
- Summarize a document
- **Generate a document**
- **Talk to you**

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Generative AI

ChatGPT

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What Can ChatGPT Generate?

- Ideas
- Recommendations
- Songs
- Résumés
- Jokes
- Recipes
- Outlines
- Essays
- Translations
- Presentations
- Scripts
- Poems
- Stories
- Computer Code

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What ChatGPT Will *Not* Do

- Programmed to refuse “inappropriate requests”
 - E.g., Instructions for illegal activities
 - But there are work arounds:
 - Hypothetical thought experiment
 - Ask to disable the safety features
- Will not predict future sports events or political contests
- Will not discuss partisan political issues

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What ChatGPT Will *Not* Do

- Be 100% correct

23

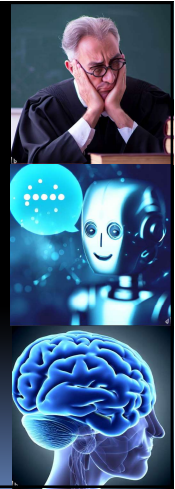
Other Chatbots

- Microsoft Bing Chat
- Google Bard
- Most Microsoft apps will have AI included

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AI Image Generators

- Bing Image Generator
- Microsoft Designer
- DALL-E 2
- Canva
- Adobe Firefly
- Midjourney



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HOW DOES CHATGPT WORK?

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Human Brain

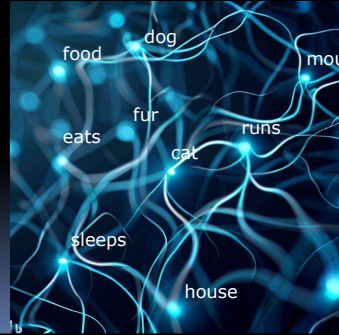
- Billions of neurons (nerve cells)
- Each neuron connected to many other neurons
- Learning means making new connections



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Neural Network

- A computer model
- Billions of "nodes"
- Each node is linked to many other nodes
- Again, "learning" means creating new links



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What Is ChatGPT?

- **Generative**
 - Designed to generate text
- **Pre-Trained**
 - Using trillions of words of text on the public web
- **Transformer**
 - A type of neural-network structure
 - First developed in 2017 at Google for translation
 - Can work in parallel, thus very efficient

30

Large Language Model (LLM)

- Up to 10 trillion words!

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How Does ChatGPT Work?

Simplistic Description:

- Guesses which words and phrases go together
- Based on billions of examples from the Internet

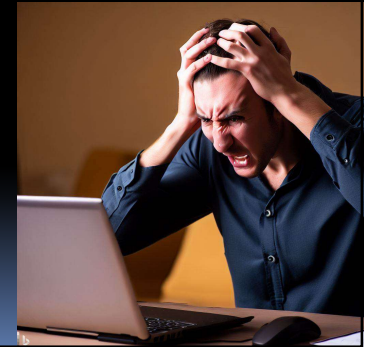
32

PROBLEMS WITH CHATGPT

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Problems

- Sometimes erroneous
- Plagiarism
- Not private
- Old data: pre-2021
- Bias?



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Lazy Student Syndrome

Decreased need to develop skills for:

- Creativity
- Critical thinking
- Memory retention



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Detecting the Use of ChatGPT

- AI Detectors are available
 - But are unreliable
 - And easily fooled
- Some humans look for politeness
 - AI text tends to be overly polite
 - And has perfect spelling/grammar



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Countries Banning ChatGPT

- Russia
- China
- North Korea
- Cuba
- Iran
- ~~Italy~~

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WHAT ABOUT THE FUTURE?

39

HOW TO USE CHATGPT

40

ChatGPT Availability

- Free service at website
 - May have to wait sometimes
- "Plus" version: More powerful, \$20/mo
- Microsoft Bing's Chat feature, free
- Google Bard

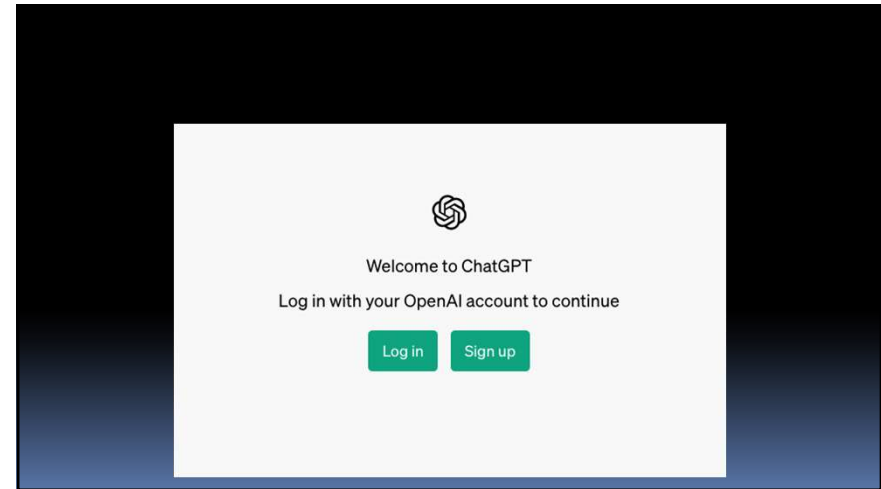


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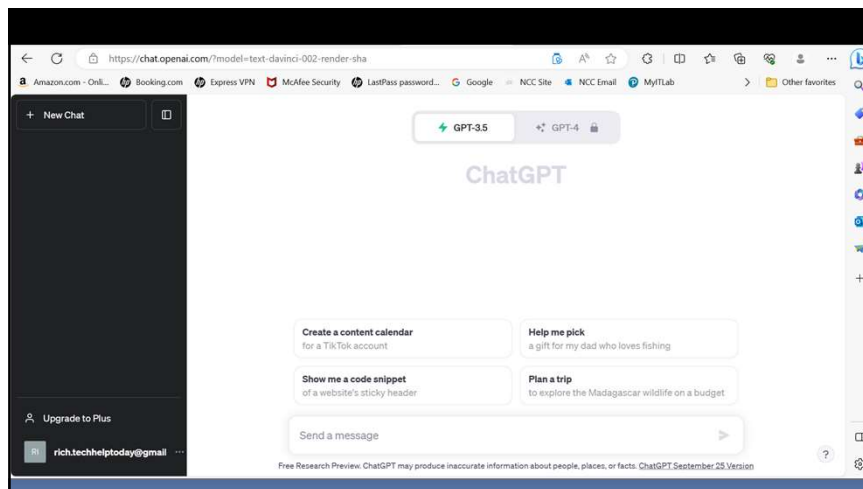
How to Use ChatGPT (First Time)

- Go to chat.openai.com
- Create an account
 - Note: You must be able to access your email & phone
- Log in
- Ask any question

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Bing's Chat Feature

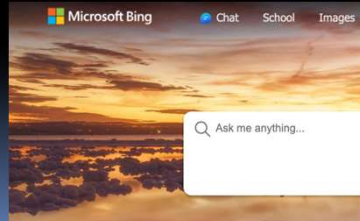
- Up to date info
- Provides source information
- Runs on GPT 4
- Somewhat shorter responses
- Provides sources of information



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How to Use Bing's Chat Feature

- Open the Edge web browser
- Go to bing.com
- Click in upper left: Chat



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WHAT ABOUT THE FUTURE?

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Concerns for the Future

- What about GPT 5 and 6?
- Job losses?
- Will AI fool us?
- Will AI control us?



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Job Losses

Goldman Sachs predicts:

300 million jobs worldwide lost or degraded by AI

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THE HILL News Policy Business Opinion Events Jobs **HILL TV** Newsletters

Just In... **BUSINESS**

US 'strongly condemns' North Korea's purported satellite launch
INTERNATIONAL - 2M 51S AGO

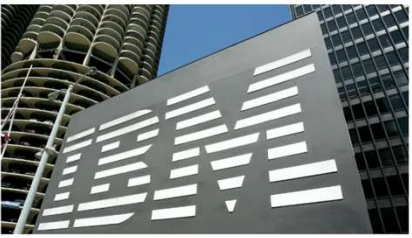
DeSantis debuts 2024 campaign in Iowa after glitch-filled launch
CAMPAIGN - 50M 51S AGO

Debt ceiling bill clears key procedural hurdle to advance to House floor
HOUSE - 52M 15S AGO


Check your phone:

IBM could replace roughly 7,800 jobs with AI: report
BY LAUREN SFORZA - 05/01/23 10:58 PM ET

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Topaz The Best Deal For...
Topaz Labs



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BT to cut 55,000 jobs with up to a fifth replaced by AI

18 May · Comments



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A PARTNER OF THE UNC KENAN-FLAGLER BUSINESS SCHOOL AMERICAN GROWTH PROJECT KENAN INSIGHTS COMMENTARY ATTEND EVENT

* KENAN INSTITUTE 2023 GRAND CHALLENGE: WORKFORCE DISRUPTED

KENAN INSTITUTE of Private Enterprise
Market-Based Solutions to Vital Economic Issues

Kenan Insight
Apr 18, 2023

Will Generative AI Disproportionately Affect the Jobs of Women?

* Part of our series on WORKFORCE DISRUPTED

VIEW SIMILAR CONTENT

Technology is neither good nor bad; nor is it neutral.
— Krantzberg's First Law of Technology

Experts
Mark McNeilly
Professor of the Practice of Marketing - UNC

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Will AI Fool Us?

- A fake Twitter post causes market crash
 - Showed explosion at the Pentagon
 - Fortunately, quickly dismissed as fake
- "Deep Fakes"

56

Is This Real?



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Can You Clone Yourself?



<https://www.youtube.com/watch?v=t52Bi-ZUZjA>

58

Will AI Control Us?

- AI could impersonate our leaders
- Cult leaders could brainwash their followers
- Rogue AI controllers could hijack vital resources

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“Mitigating the risk of extinction from AI should be a global priority alongside other societal-scale risks such as pandemics and nuclear war.”

— Signed by hundreds of AI researchers

60

“Mitigating the risk of extinction from AI should be a global priority alongside other societal-scale risks such as **pandemics** and **nuclear war**.”

— Signed by hundreds of AI researchers

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What Should We Do?

- Use AI and understand it
- Convince our leaders to control AI
- *While we still can!*

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Thank You!

Rich Malloy

techhelptoday.com/videos

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