



AI – Brace For Impact

<https://cybereducation.ai/>

A Few Things Regarding AI First

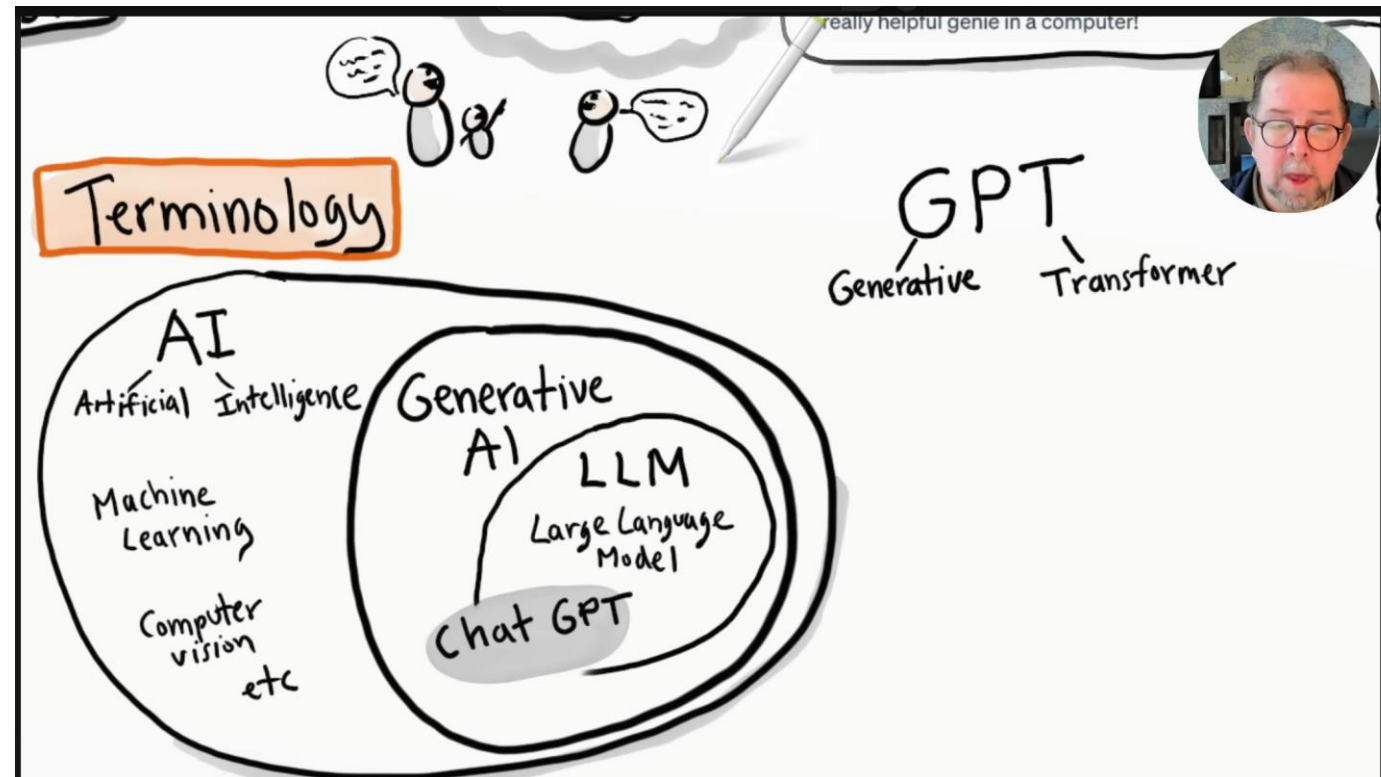
- Disclaimer
 - The views here in should not reflect the views of Dr. Kara Nance, DU, or its affiliates. The views expressed here are my own.
 - I don't like AI. Not pro AI
 - Hope I am wrong about some of the positions I will share
- Intent of talks

Demo – Part 1 of two parts

- Part 1

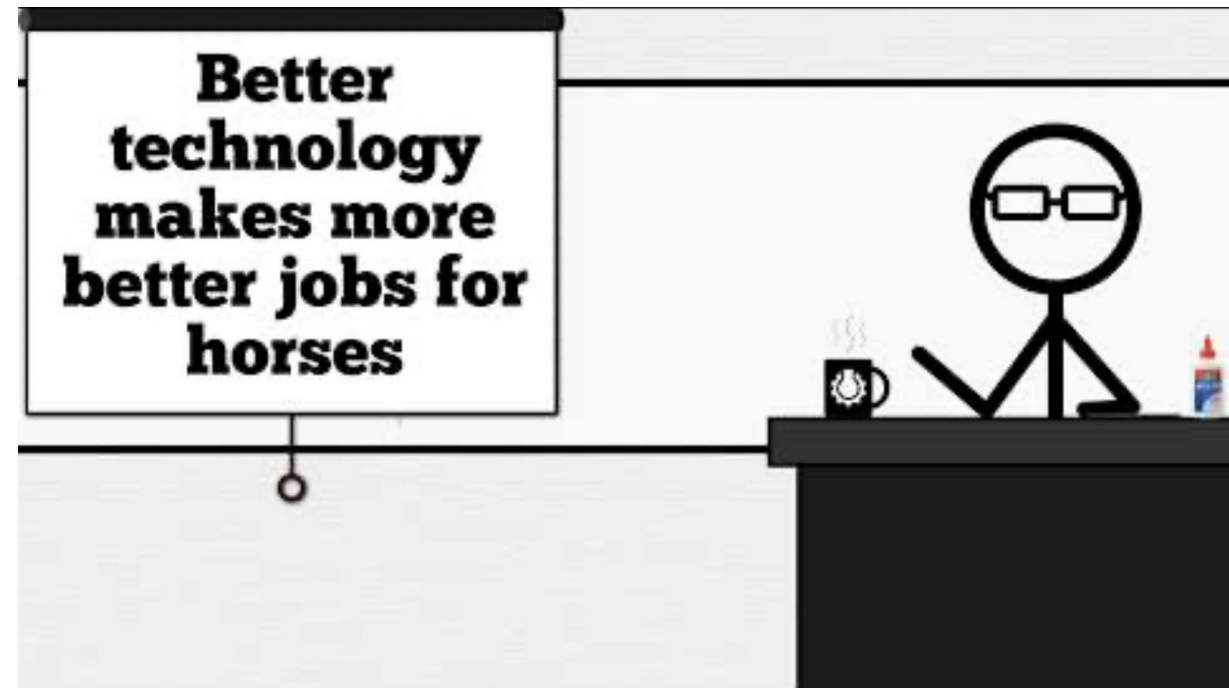
Basic jargon understanding

- When people talk about “AI” they really mean generative AI or Large Language Models or generative ai
 - Chatgpt, Claude.ai, midjourney,



Is AI coming for me... should I worry?

- Humans need not apply.
- The horse.
- Married diets
 - Vegetarian and the not, couple.



<https://www.youtube.com/watch?v=7Pq-S557XQU>

Almost 10 years ago

Klarna CEO Boasts His AI Can Do Work of 700 People After Laying Off 700 People in 2022

The company said its new AI customer service assistant was "in no way connected" to the layoffs.

By **Jody Serrano** Published Yesterday | Comments (14)



Tyler Perry Puts \$800M Studio Expansion on Hold After Seeing OpenAI's Sora: "Jobs Are Going to Be Lost"

The actor, filmmaker and studio owner is raising the alarm about the impact of the tech, saying, "I feel like everybody in the industry is running a hundred miles an hour to try and catch up, to try and put in guardrails."

Katie Kilkenny
FEBRUARY 22, 2024 4:07PM PST



Tyler Perry
NOAM GALAI/GETTY IMAGES

Over the past four years, **Tyler Perry** had been planning an \$800 million expansion of his studio in Atlanta, which would have added 12 soundstages to the 330-acre property. Now, however, those ambitions are on hold — thanks to the rapid developments he's seeing in the realm of artificial intelligence, including **OpenAI's text-to-video model Sora**, which debuted Feb. 15 and stunned observers with its cinematic video outputs.



Despite Booming Economy And Record Profits Google, Amazon, Microsoft And More Lay Off Over 42,000 So Far In 2024

Caleb Naysmith

Thu, Feb 29, 2024, 9:42 AM PST • 3 min read



In This Article:

MSFT +0.45%

AMZN +0.83%



Despite a booming U.S. economy and significant advancements in the tech sector, including a robust performance by companies like Nvidia Corp. and a thriving artificial intelligence (AI) industry, tech companies have continued to lay off workers at an alarming rate in 2024.

The tech-heavy Nasdaq index has shown an impressive uptick and the U.S. economy added 353,000 jobs in January, outpacing economists' forecasts. However, this overall economic strength masks a wave of layoffs in the tech sector, underscoring a disconnect between the broader economy and the challenges in the tech industry.

Should I worry about AI? Is it coming for me?

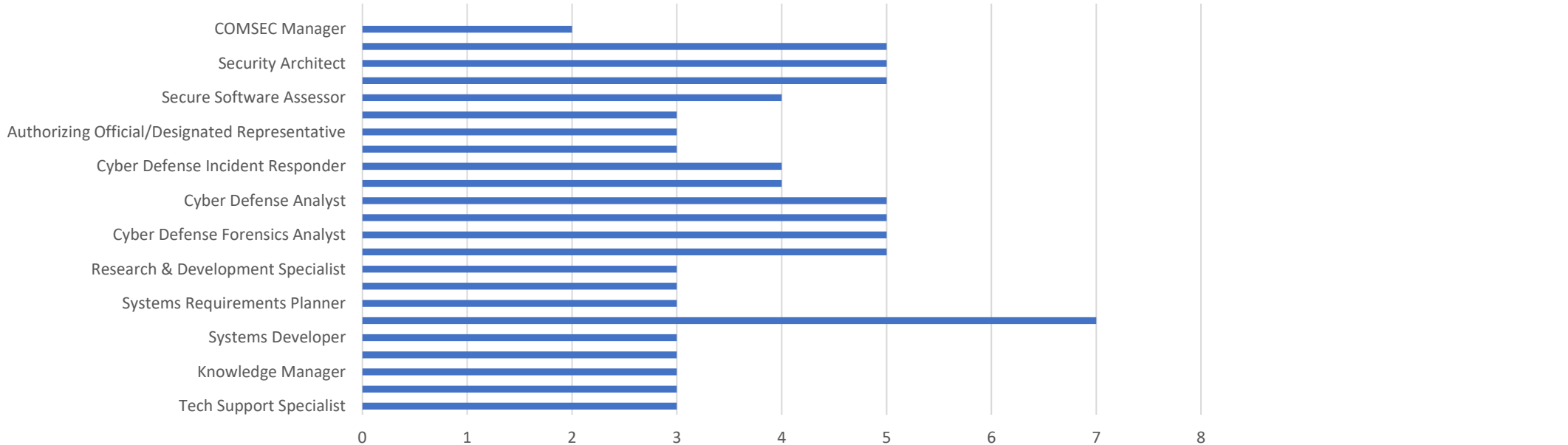
- Two forces are applying pressure for the speedy implementation of AI
 - Market forces – profit = revenue – (land+labor+capital)
 - Adversaries – wormgpt, fraudgpt, unfriendly foreign powers, etc
 - What happens when labor and capital are the same thing?
 - What happens when utility goes to infinity and value is zero?
- Anything AI can do Better, Faster, Cheaper, Safer... will be implemented.
 - Gizmodo, Klarna (700 to 1)
- There is and AI for that...
 - <https://theresanaiforthat.com/>
 - 8,858 AIs for 2,317 tasks and 4,847 jobs.
- No coding, no game dev, no actors - nvidia, game for audience of one.

Is Coding Dead?

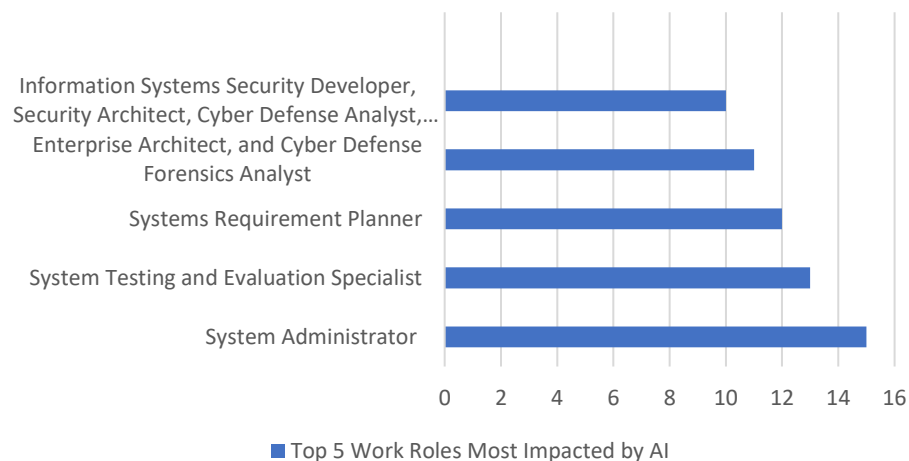
- Nvidia CEO
 - Don't need computer science
- Stability AI CEO
 - No programmers in 5 years



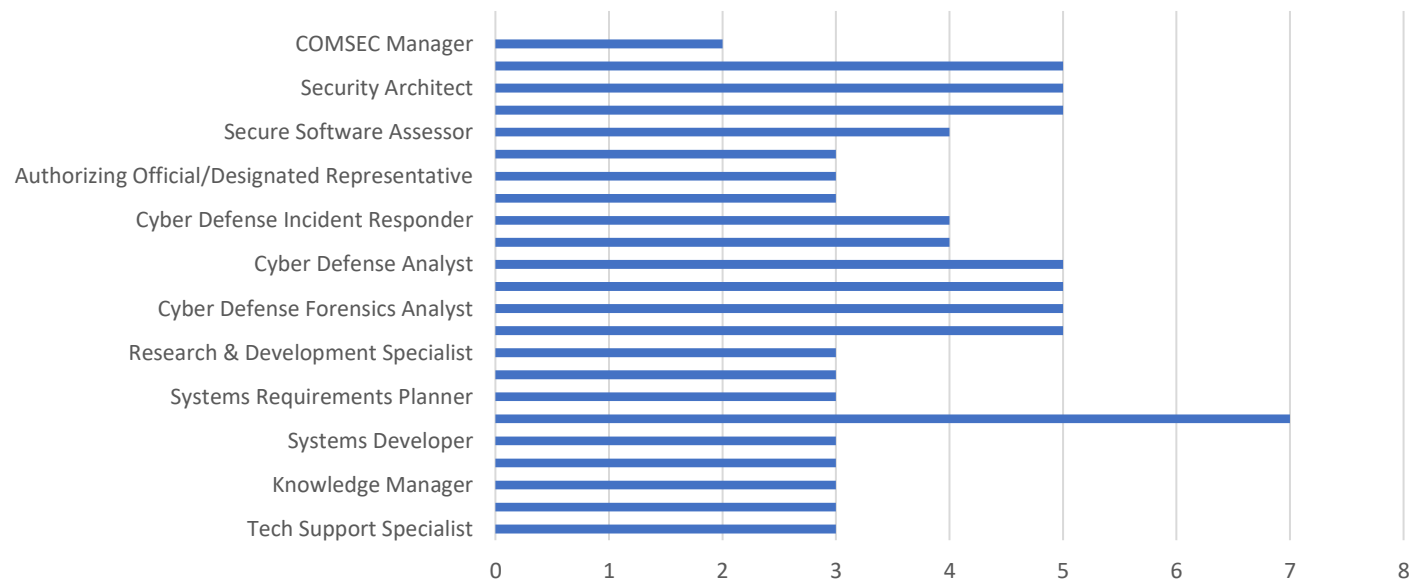
Tasks Replaceable by AI



Top 5 Work Roles Most Impacted by AI



Tasks Replaceable by AI



Kasparov Hypothesis

- Defcon 25
- Kasparov, last man standing vs Ai and chess
 - The best we got were crappy chat bots and algorithms for stock guessing
- Best Human vs best AI, AI loses
- Pretty good human + pretty good AI + superior process, human wins
- **Get pretty good**
- **Cultivate AI (public and local)**
- **Figure out your process**



AI tools

- **Chatgpt – Plus/Teams 20,25/month**
 - Analyze data, create your own GPT, api keys to power your code
- Extract wisdom
 - <https://chat.openai.com/g/g-gmeHD0Ayr-extractwisdom>
 - <https://chat.openai.com/g/g-fqnOQymS4-ai-task-analyzer>
 - <https://chat.openai.com/g/g-HDbJsBmDP-competency-constructor-gpt>
- Claude
- Bard, Grok, Copilot, etc
- **Perplexity.ai** (Rabbit)

Prompt Engineering Basics

1. **Be Specific:** If you ask a vague question, you may get a vague answer. The more details you provide, the better the model can give you what you're looking for. Instead of "tell me about all dog breeds that exist," ask "What are the different breeds of small dogs suitable for apartment living?"
2. **State Your Intent:** If there's a specific purpose for your question, state it in the prompt. For example, instead of asking "explain quantum physics" you could say "I'm helping my fifth-grade son with his science homework. Could you explain quantum physics in a simple way?"
3. **Use Correct Spelling and Grammar:** While the model can often interpret and correct spelling and grammar mistakes, providing clear and correct prompts helps ensure you get the best response.
4. **Direct the Output Format:** If you want the answer in a specific format, state it in your question. For example, you could ask "Could you list the steps to bake a chocolate cake?" or "Could you explain the process of baking a chocolate cake in a paragraph?"

- **5 - Ask Follow-Up Questions:** If the response wasn't what you expected or if you need more information, feel free to ask follow-up questions to clarify.
- **6 - Experiment with Different Phrasings:** If you're not getting the response you want, try asking the question in a different way. The model might understand one phrasing better than another.
- **7 - Prompt for Fact-Checking:** If you're looking for reliable information, you can ask the model to provide sources or to fact-check information. For example, "Can you fact-check this statement: The tallest mountain in the world is Mount Everest?"

Links

- <https://www.promptingguide.ai/>
- <https://platform.openai.com/docs/guides/prompt-engineering>
- <https://chat.openai.com/g/g-IUM85u1wx-prompt-engineer-pro>

Art and Images

- Online

- <https://clipdrop.co/> , <https://app.leonardo.ai/> , <https://www.midjourney.com/explore>
- <https://civitai.com/>

LLM Apps

- Ollama – ollama.ai
 - Ollama webui [openwebui](https://openwebui.com)
- Lmstudio – lmstudio.ai
- Anythingllm – useanything.com
- Pinokio - pinokio.computer
- Faraday – faraday.ai

What do you want to be when you grow up?

- It likely won't look like what it used to when you decided you wanted to be that.
- Look at that job, look at the tasks, figure out where AI plays a role
- <https://chat.openai.com/g/g-fqnOQymS4-ai-task-analyzer>

Trifecta – AI-Robotics-VR

FEATURING DR. VINCENT NESTLER (DIRECTOR OF CYBERSECURITY CENTER)

COMPREHENSIVE APPLIED AI WORKSHOP

HOW TO BE AI ENHANCED TO REMAIN MARKETABLE IN THE VERY NEAR FUTURE

Things that will be covered:

- What are LLMs, how do they work, why are they so cool?
- The basics of mastering Chatgpt
- How to create your own specialized Chatgpt
- How to get and run LLMs locally, safely and privately
- How to create amazing art (and deep fakes) with AI
- How to use AI to do work
- And much much more...!!!

MARCH 15TH @ 2PM-5PM
IN JBH 102 AND ZOOM

RSVP form:



Zoom link:



Information:

- Bring a laptop! You should have some hard drive space or a fast external drive!
- Highly recommended that you get a paid Chatgpt account, but not required!

And much much more...!!!

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