2024: Retooling, Reskilling, Rebranding

QRedMonk

SW2Con May 2024

RRR:



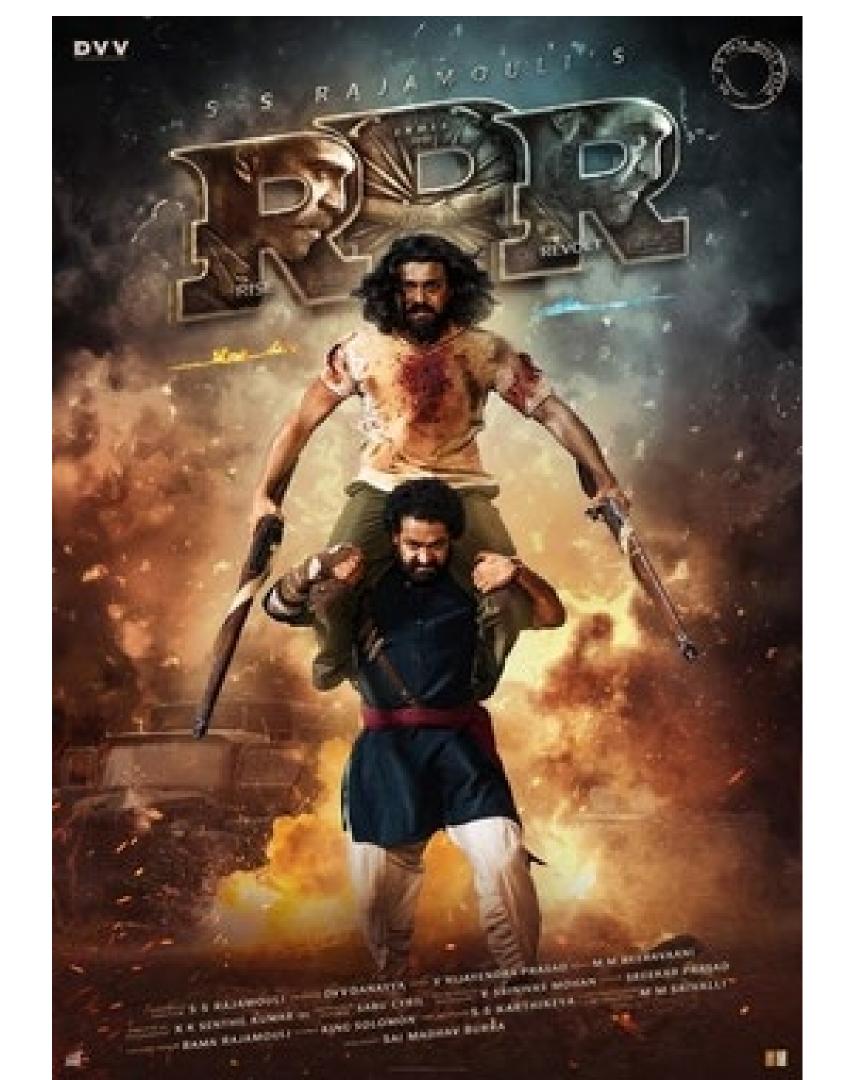
Me too, looking forward to attending your RRR talk. May I suggest this as your entry music - the Naatu Naatu song from the movie RRR?



youtube.com

Naatu Naatu Full Video Song (Telugu) [4K] | RRR | NTR,Ram C Watch Naatu Naatu Full Video Song from #RRR Telugu Movie. An M.M.Keeravaani Musical. Sung by Rahul Sipligu...

3:08 PM · Mar 19, 2024 · **45** Views

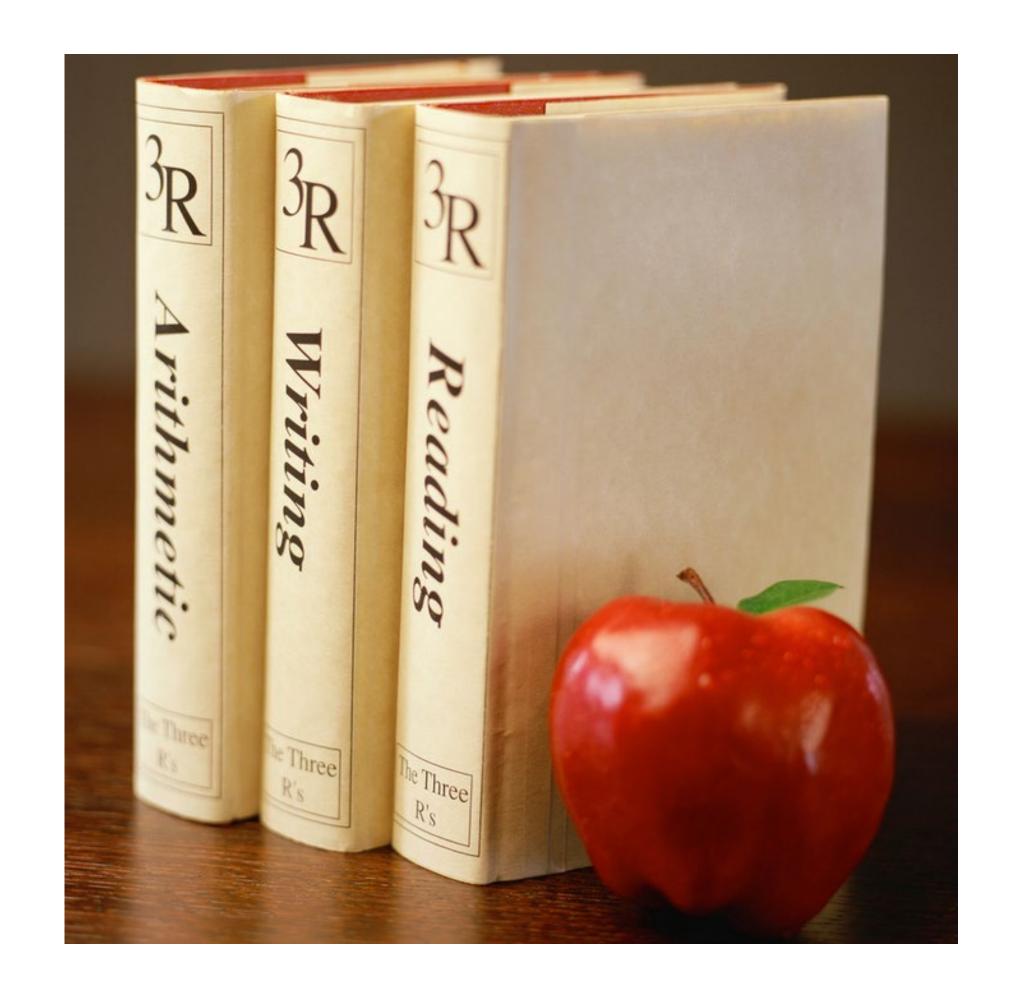


RRR:

READING

WRITING

ARITHMETIC





"According to Darwin's Origin of Species, it is not the most intellectual of the species that survives; it is not the strongest that survives; but the species that survives is the one that is able best to adapt and adjust to the changing environment in which it finds itself."

- Leon C. Megginson

RRR:

RETOOLING

RESKILLING

REBRANDING



QRedMonk

THE DEVELOPER-FOCUSED ANALYST FIRM



Rachel Stephens



Kate Holterhoff

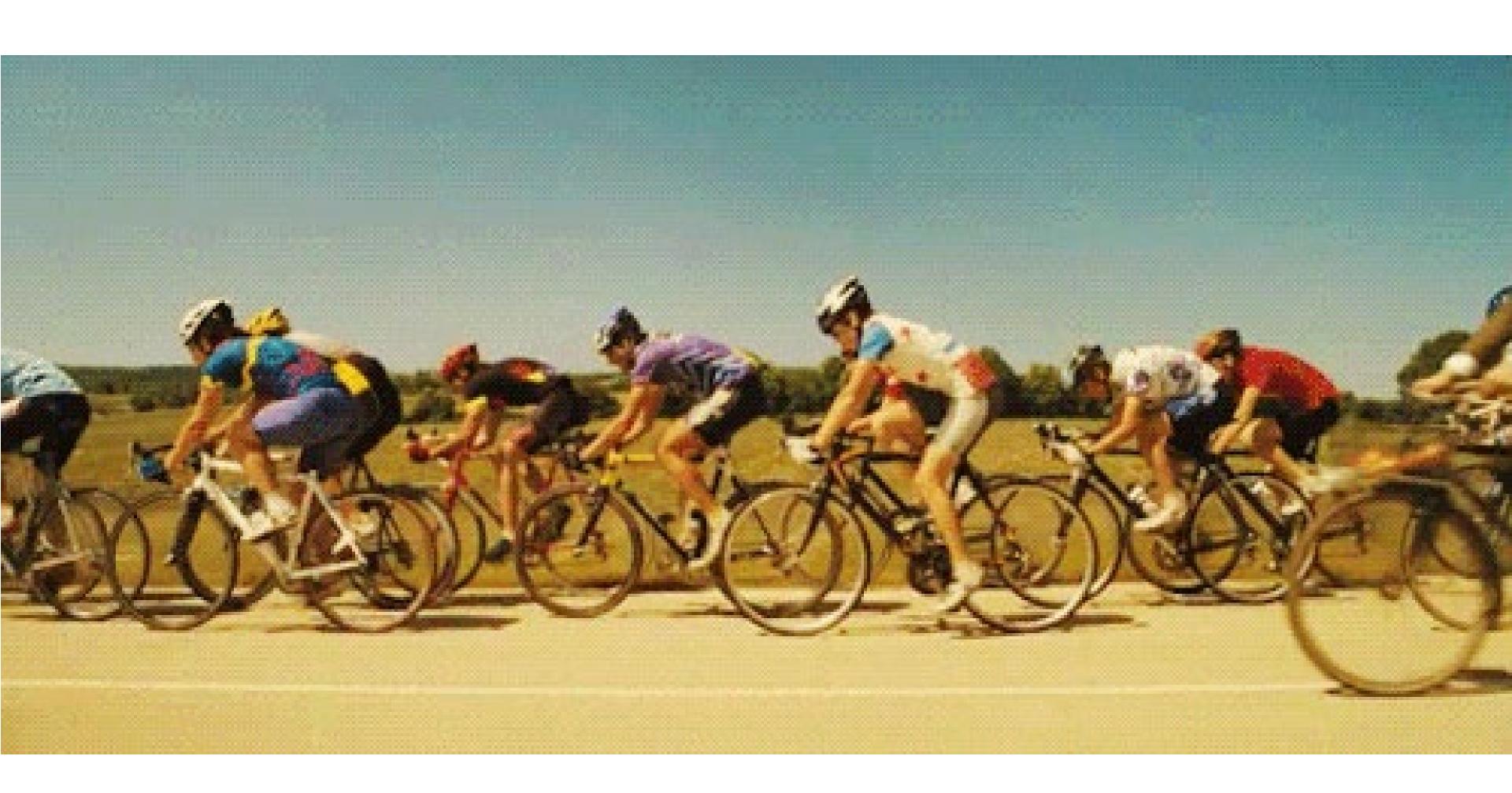


Kelly Fitzpatrick



RETOOLING

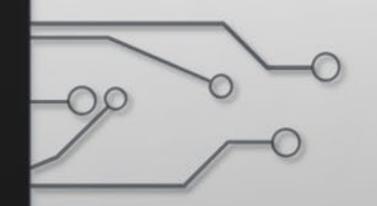






POETS & PROGRAMMERS

WHAT TO DO WHEN YOU ARE NOT A GENIUS
GLUECON 2019
KELLYANN FITZPATRICK, REDMONK

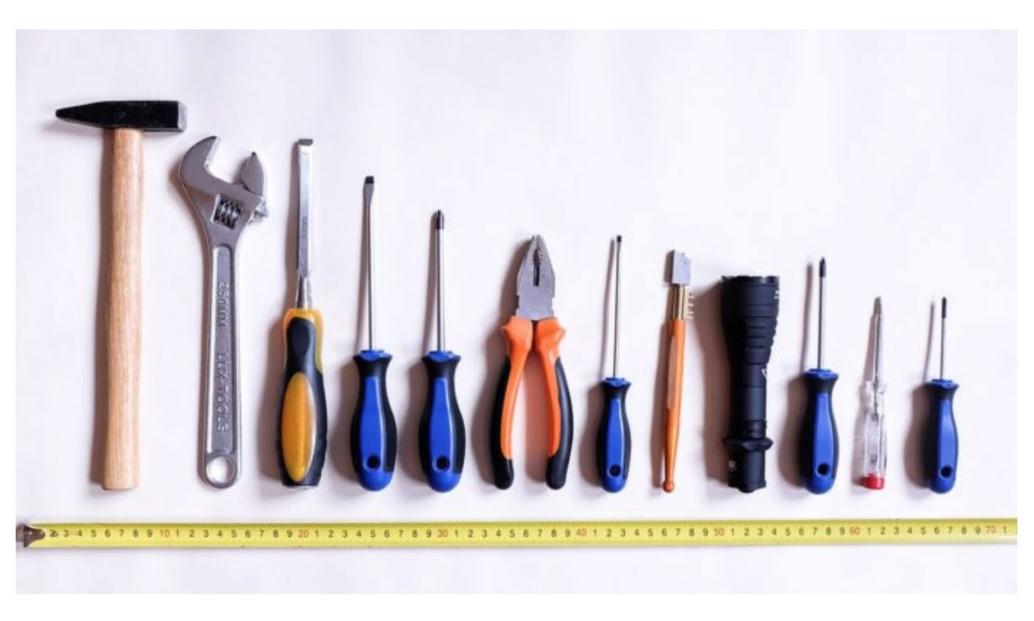




2019 AWS Developer Influencer Summit Groups

- AI/ML
- Containers
- Databases
- Developer Tools
- Serverless





ALT + ESV

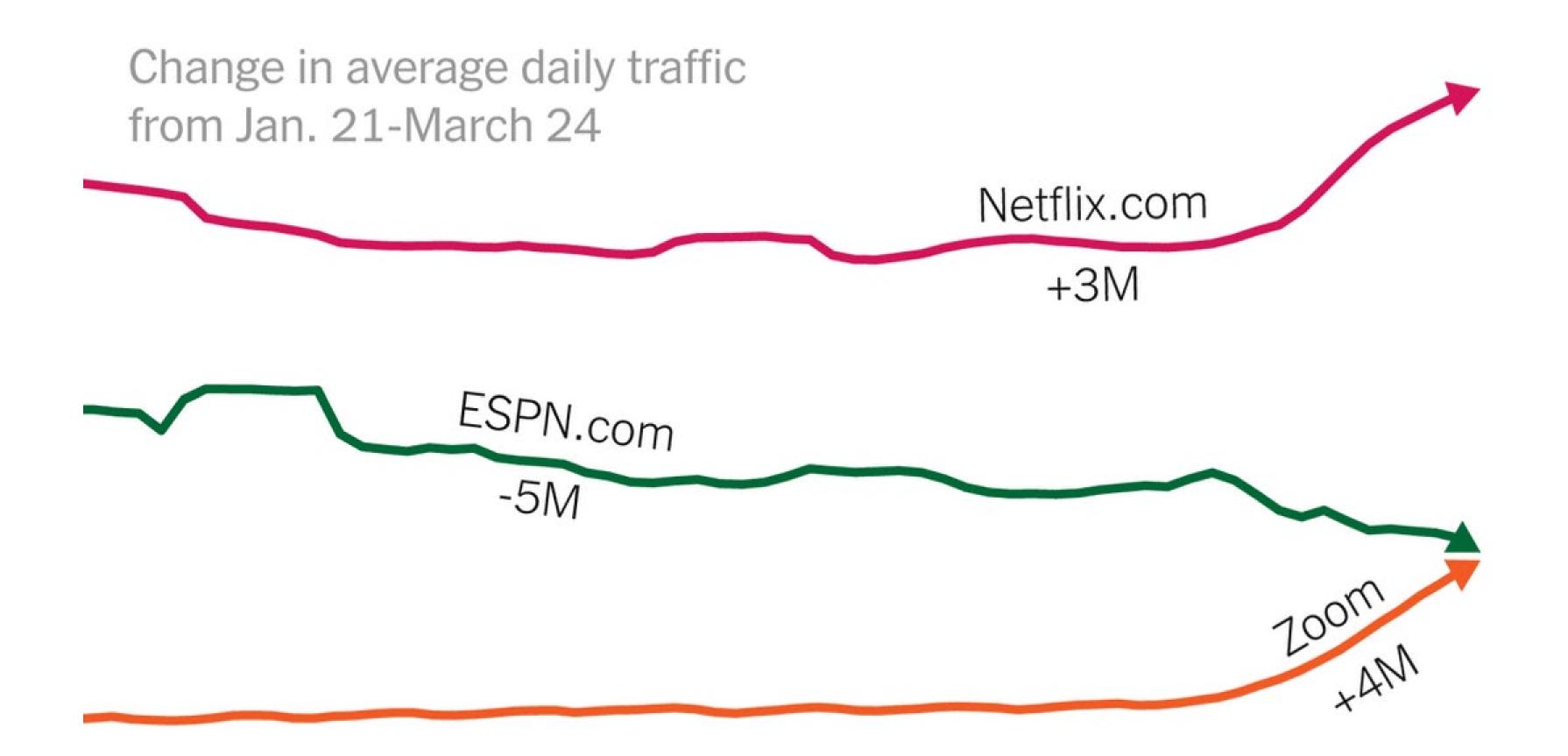
DevOps: Tools Can Lead The Culture Change

By Rachel Stephens | @rstephensme | October 25, 2019

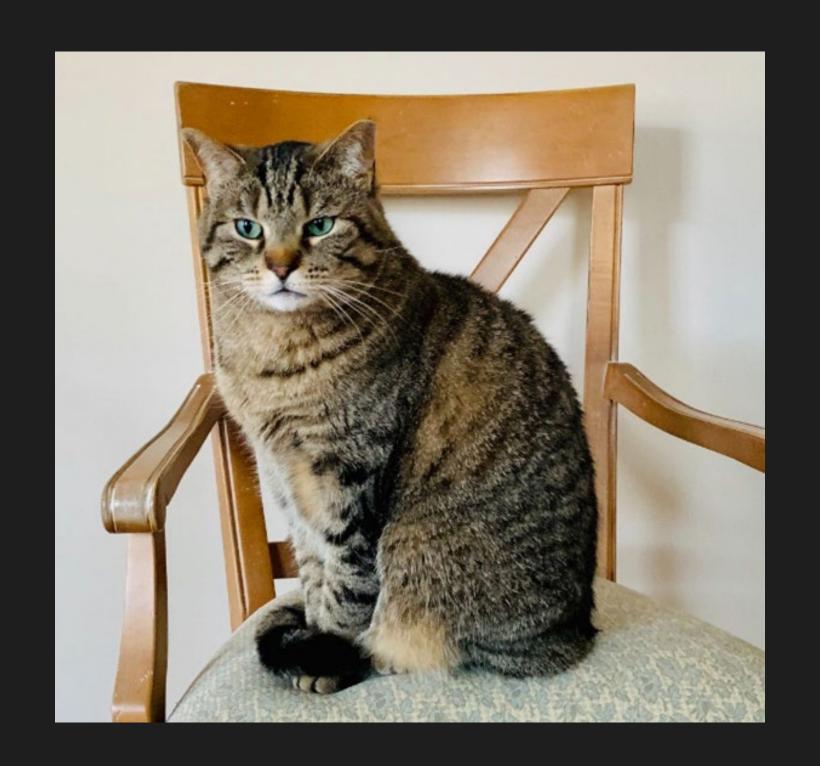
"Tools alone cannot fix a broken culture. You can't buy your way out of a culture issue.

But that said: tools can very much lead culture. Tools can be critical to changing people's mindset. It's hard to practice the right behaviors without the right foundational toolset."





Source: Ella Koeze and Nathaniel Popper. "The Virus Changed the Way We Internet." *The New York Times*, April 7, 2020.



Digital Transformation

"We've seen **two years**' worth of digital transformation in **two months**."

- Satya Nadella, April 2020

TECOSYSTEMS

The Developer Experience Gap

By Stephen O'Grady | @sogrady | October 6, 2020

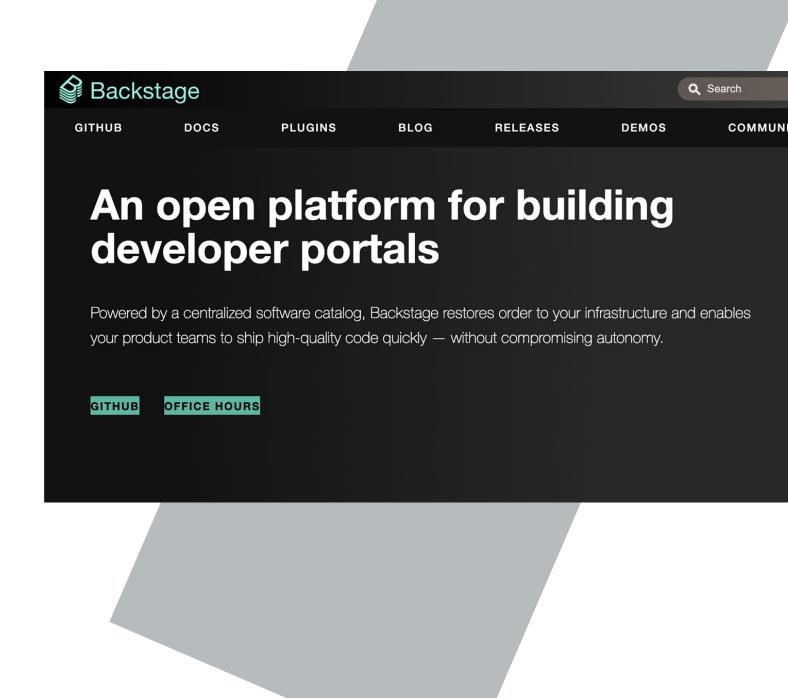










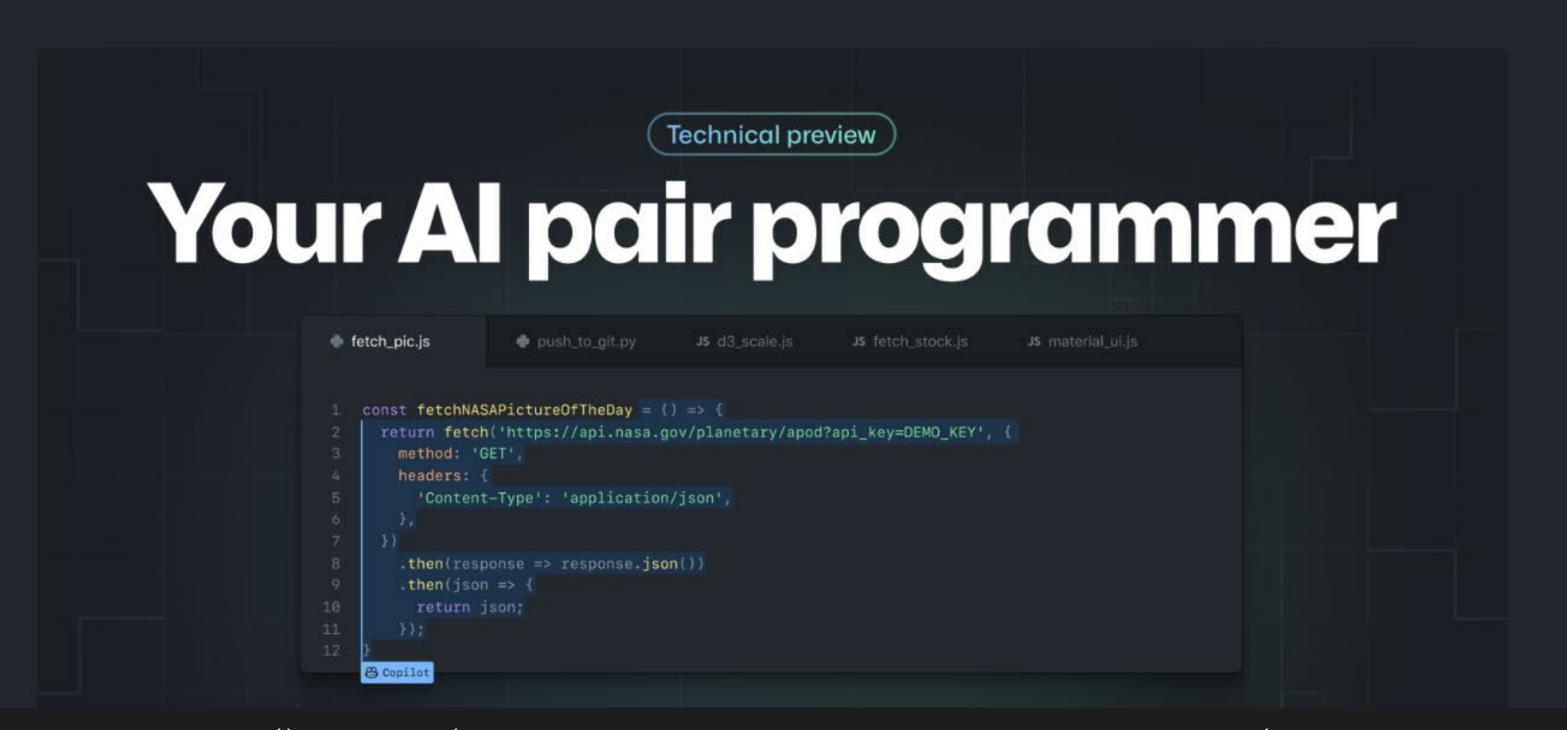


https://backstage.io/



Introducing GitHub Copilot: your Al pair programmer

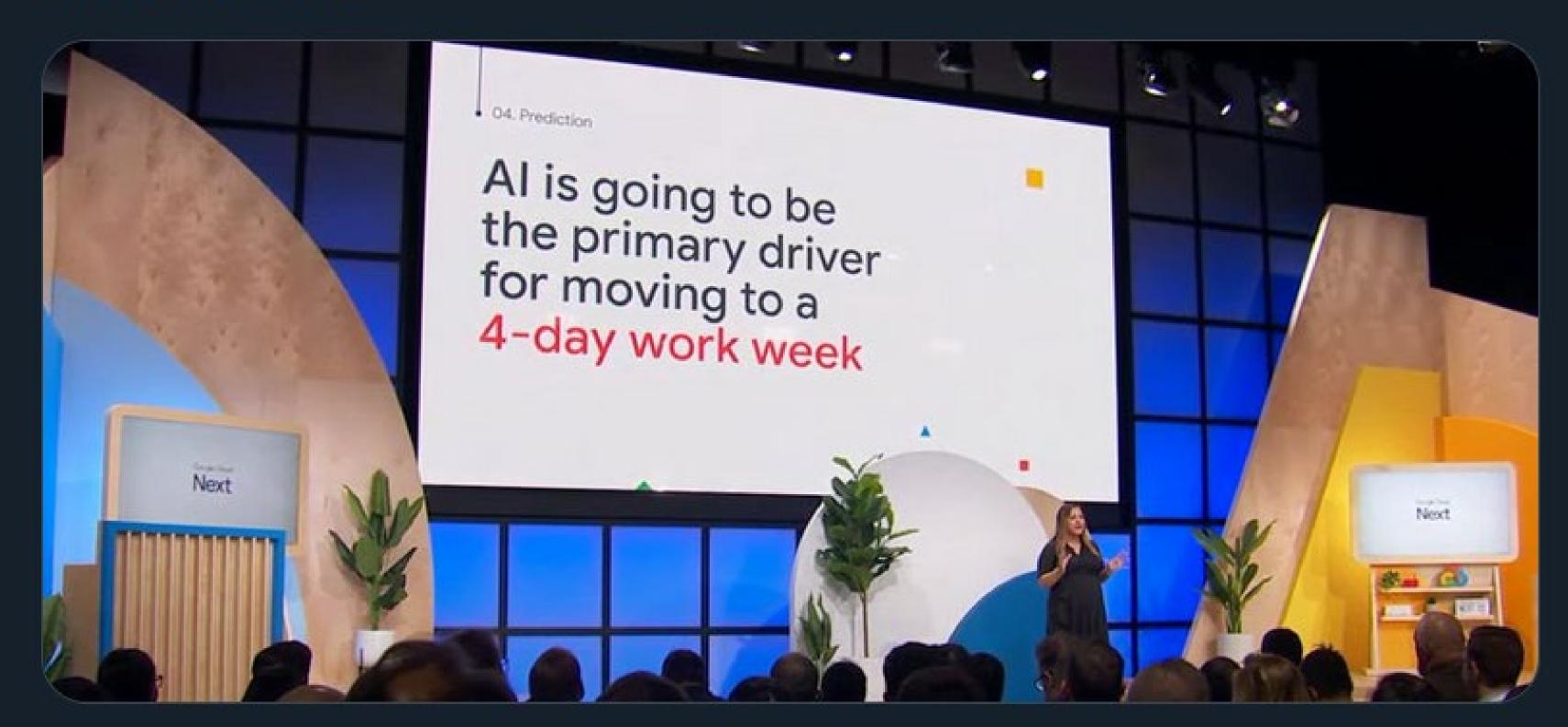
Today, we're launching a technical preview of GitHub Copilot, a new Al pair programmer that helps you write better code.





steve o'grady @sogrady · Oct 11, 2022

the optimistic side of me wants to believe this, but the pessimistic side keeps shouting something about Jevon's **Paradox** and taking the under taking the under



November 30, 2022

OpenAl launches Chat GPT



US MARKETS CLOSED In the news

▼ Dow Jones +0.07%

▼ Nasdag +0.11%

▼ S&P 500 +0.09%

META +0.12%

▼ TSLA +0.01%

HOME > ECONOMY

ChatGPT may be coming for our jobs. Here are the 10 roles that AI is most likely to replace.

Aaron Mok and Jacob Zinkula Apr 9, 2023, 11:36 AM EDT









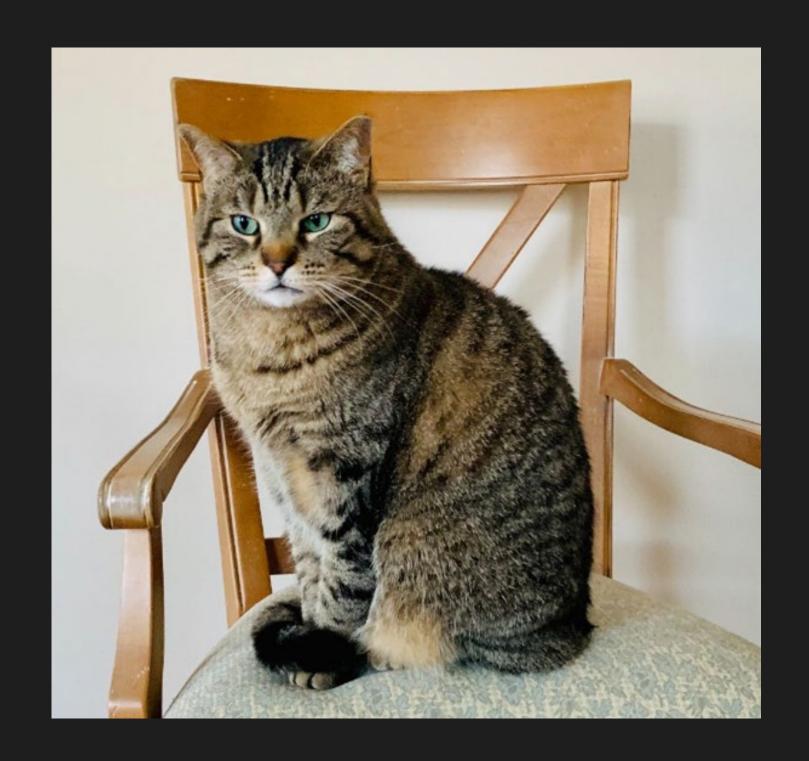


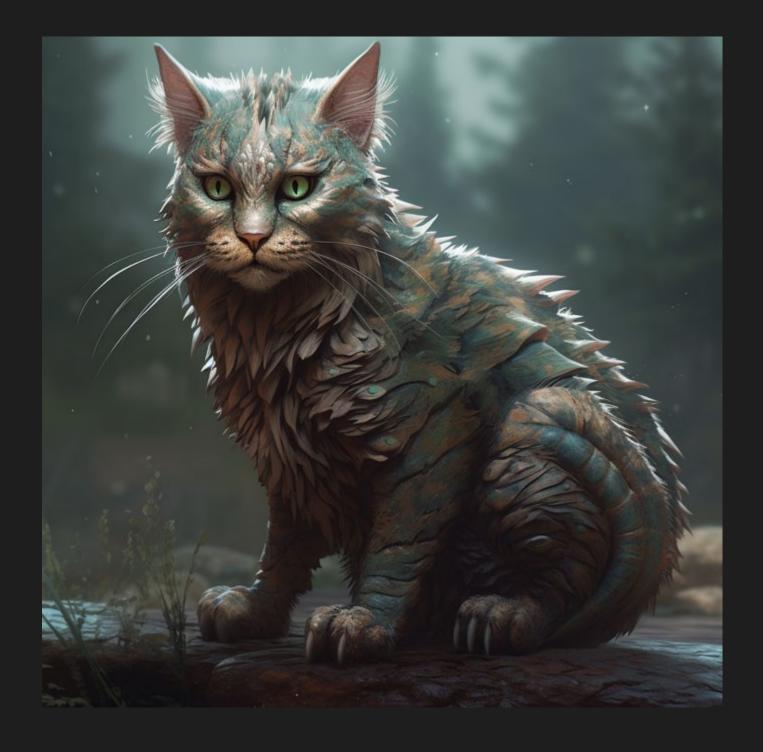
Insider compiled a list of the 10 jobs that could be disrupted by AI tools like ChatGPT, according to experts. Jens Schlueter/Getty Images

ChatGPT is only a few months old and already causing waves in the business world.



23 20 24





GitHub Copilot

watsonx Code Assistant









How can I help you today?

Write a text

inviting my neighbors to a barbecue

Design a programming game

teach basics in a fun way

Tell me a fun fact

about the Roman Empire

Explain nostalgia

to a kindergartener

Message ChatGPT

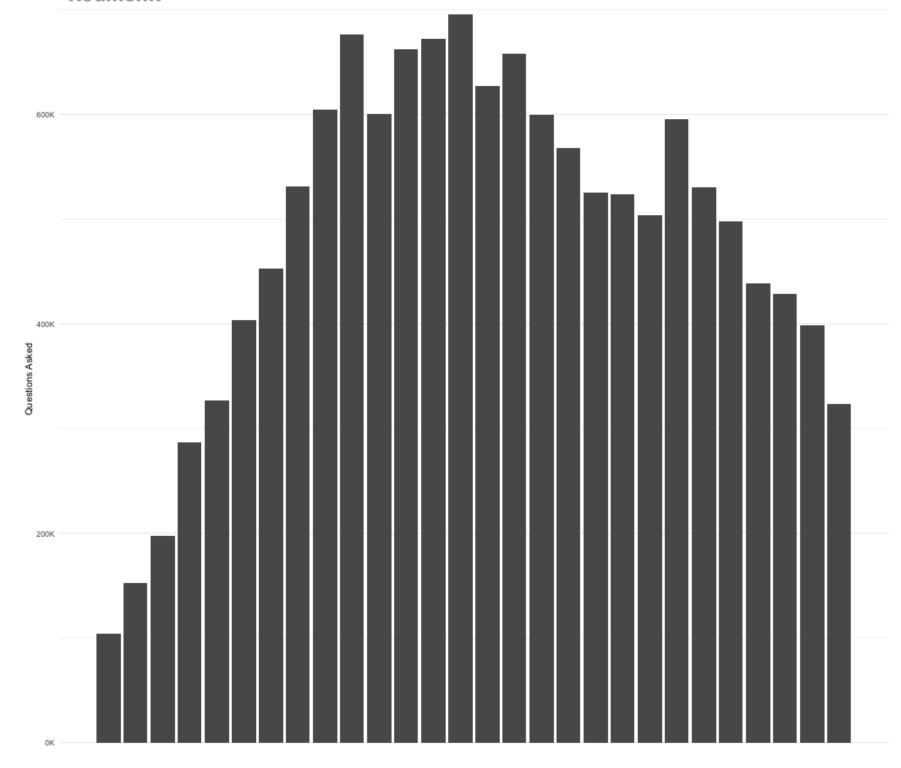


ChatGPT can make mistakes. Check important info. Read our Terms and Privacy Policy.

What's Going On With Language Rankings?

By Rachel Stephens | @rstephensme | December 14, 2023

Stack Overflow Top 20 Languages Questions Over Time RedMonk





We've been internally discussing how we're going to address the impact of AI-based code assistants on our language rankings since GitHub released Copilot in October 2021. However, it was when ChatGPT hit the market on November 30, 2022 and went from 0 to 100M users in two months that we started seeing undeniable impacts on our source data.

We'd already seen questions asked falling off from their peak. However, when we pulled data for our June 2023 rankings the collective decline was notable.

The below chart takes questions asked on Stack Overflow about the top 20 programming languages (as determined from RedMonk's analysis dated January 2023) and look backed at historical semi-annual trends.



— nio

December 15, 2023 at 12:26 am

Who is using stack still these days ?.

First users get blamed that their questions are wrong.

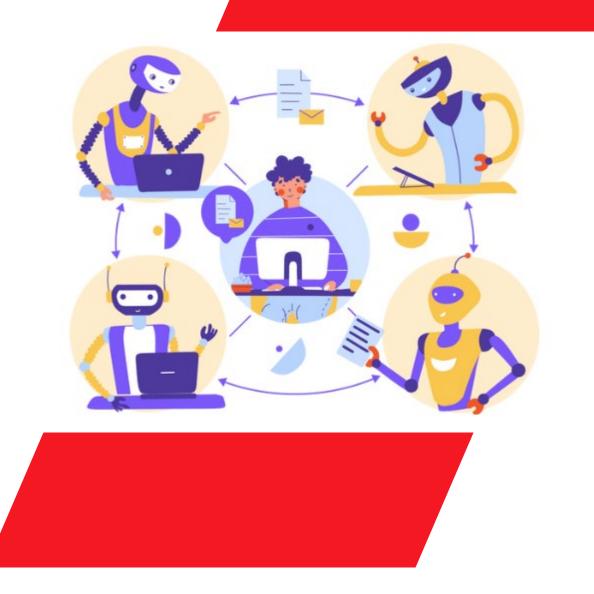
Other users cannot ask question which where normal to ask 5 years ago.

You had a good question no luck either.

You get downvoted cause someone doesn't like you or doesn't understand your question.

Its a terrible site for finding people who had similar questions since its not a open forum.

I'm really glad these days we can use LLM's like chat gpt instead.



Retooling and Humans

- Many new tools (some actually helpful)
- Also new expectations re: productivity, job duties, which of these tools are allowed
- Uncertainty about what tools to use and where to learn
- How do I not lose my job to AI (or AI hype)?



Retooling and Organizations

- What tools to allow/vendors to trust
- Guardrails around tools for safeguarding my organization's data
- Can retooling give my team an edge?
- Is retooling enough to remain competitive?







One thing I've noticed in the best teams in tech right now is that there's no desire to hire and mentor juniors anymore (across every discipline).



Zoom culture has also deteriorated the apprentice model of shadowing and learning through osmosis.



Integrating ChatGPT in a Computer Science Course: Students Perceptions and Suggestions

Kehinde Aruleba ^{a,*}, Ismaila Temitayo Sanusi ^{b,*}, George Obaido^c and Blessing Ogbuokiri^d

ARTICLE INFO

Keywords: ChatGPT Artificial intelligence Plugged activities

ABSTRACT

The integration of artificial intelligence tools such as ChatGPT in the education system has gained attention in recent years. This experience report explores students' perceptions and suggestions for integrating ChatGPT in a computer science course. Following a ChatGPT activity which includes code completion and analysis, seven students participated in in-depth interviews. Findings from the transcribed interviews suggest that ChatGPT has the potential to enhance learning experience including programming. They highlighted the tool's ability to respond immediately to queries and supporting personalised learning. However, they raise concerns that heavy reliance on ChatGPT may adversely affect students' critical thinking and problem-solving skills. These findings show the importance of carefully balancing using ChatGPT in computer science courses. The findings of this research have significant implications for educators, curriculum designers and policymakers as they explore integrating AI tools into educational contexts.

1. Introduction

Educational institutions have undergone transformative shifts in recent years by embracing digital technology to support teaching and learning experiences (Aruleba, Jere and Matarirano, 2022a; Ayanwale, Sanusi, Adelana, Aruleba and Oyelere, 2022; Aruleba, Jere and Matarirano, 2022b; Obaido, Agbo, Alvarado and Oyelere, 2023). This shift is driven by various factors, including the rapid increase of online resources (Haleem, Javaid, Qadri and Suman, 2022), the need for more accessible and flexible learning experiences (Yunusa, Sanusi, Dada, Oyelere, Agbo, Obaido and Aruleba, 2021; Criollo-C, Guerrero-Arias, Jaramillo-Alcázar and Luján-Mora, 2021), and the need to equip students with the

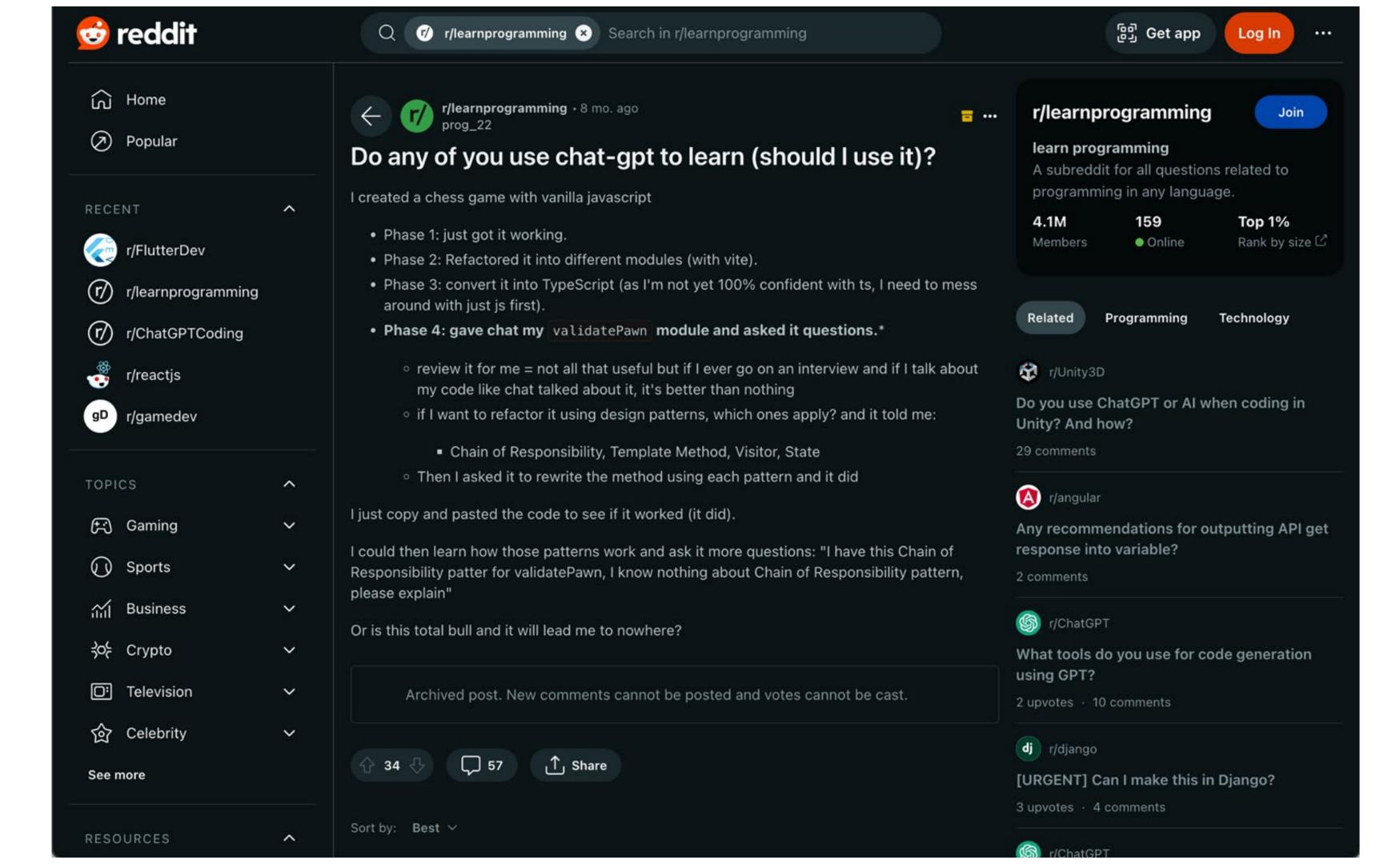


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^dDepartment of Mathematics and Statistics, York University, Toronto, ON M3J 1P3, Canada blessogb@yorku.ca





"I think that bootcamps will have to evolve... What's happening with Al, and ChatGPT, and all of these tools that are able to produce code and thoughts and artifacts with such high fidelity, they will remove the lower level jobs."

Mark Thompson, senior developer relations engineer at Google



RESOURCE CENTER

BOOTCAMPS ~

CODING ~

TECH SKILLS ~

CAREER RESOURCES V

HIGHER ED V

Resource Center > Bootcamps > State of the Bootcamp Market Report: 2023 Statistics and Share Analysis

State of the Bootcamp Market Report: 2023 Statistics and Share Analysis



BY MARC JUBERG & DEMMA MERCER





REVIEWED BY: ALEX CONSIGLIO

UPDATED JUNE 14, 2023





Since publishing our last reports, the tech bootcamp space has continued to evolve within a world still recovering from the COVID-19 pandemic. We've observed this industry's resilience and adaptability, as well as its continued growth despite the many challenges the global economy has faced over the last few years.

Overall, our 2023 State of the Bootcamp Market Report shows that the US bootcamp industry continues to grow, which indicates that students are still finding value in this form of training to start new careers in tech. On the whole, students who attend bootcamps are picking up diversified, in-demand skill sets and are benefiting from the wider availability and versatility of bootcamp programs and the opportunities they afford.



Advisor > Education Advertiser Disclosure

Survey: What Are Coding Bootcamps, And Do They Work? Here's What Grads Say



By Mariah St. John
Education Writer





Updated: Jan 16, 2024, 10:13am

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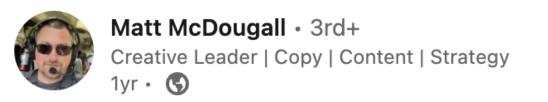












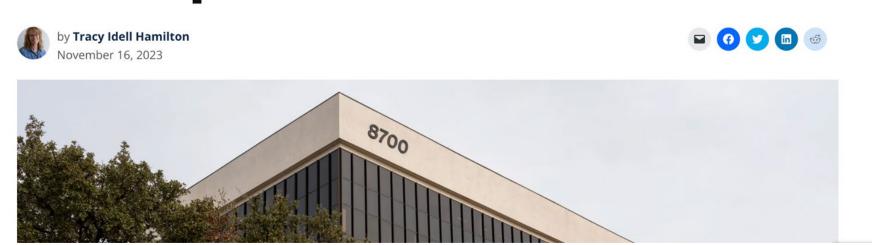
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45 Report

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BUSINESS & DEVELOPMENT

Codeup lays off workers just weeks after moving into new office space





Sarah Murtha • 3rd+ Organized People Person - Passionate about connecti... 1yr • **(\$)**

It has been a difficult and emotional few days to say the least. Unfortunately, due to the dramatic shift in the market, as well as other compounding external factors, Tech Elevator had to lay off 32 full time employees. These were my colleagues and friends with whom I've spent the last 9 months collaborating, working, and growing to love. I was one of the lucky ones who was able to remain, but I'm left looking for a way to help support some exceptional professionals, who by no fault of their own, lost their jobs.

Gutted to hear about the layoffs at A Cloud Guru | A Pluralsight Company and Pluralsight today. If you've been impacted - or even just grazed - happy to help however I can. I can make introductions, review resumes and portfolios, even just be someone to vent to.

Went through my own layoff fun (for the fourth time) earlier this year so I've definitely been there and get it.



App Academy Fired All Cohort Leaders for Ai

In the middle of the day during class, our cohort leaders were kicked out of the students slack channels and, App Academy made it impossible for us to reach out to our leaders personally. We later discovered, that all cohort leaders were laid off abruptly. They did not give us the opprotunity to say goodbye.

At 2pm PT today, we had a meeting with App Academys CEO, Kush, who failed to show us how we will continue to move forward without this integral part of the student experience here at App Academy.

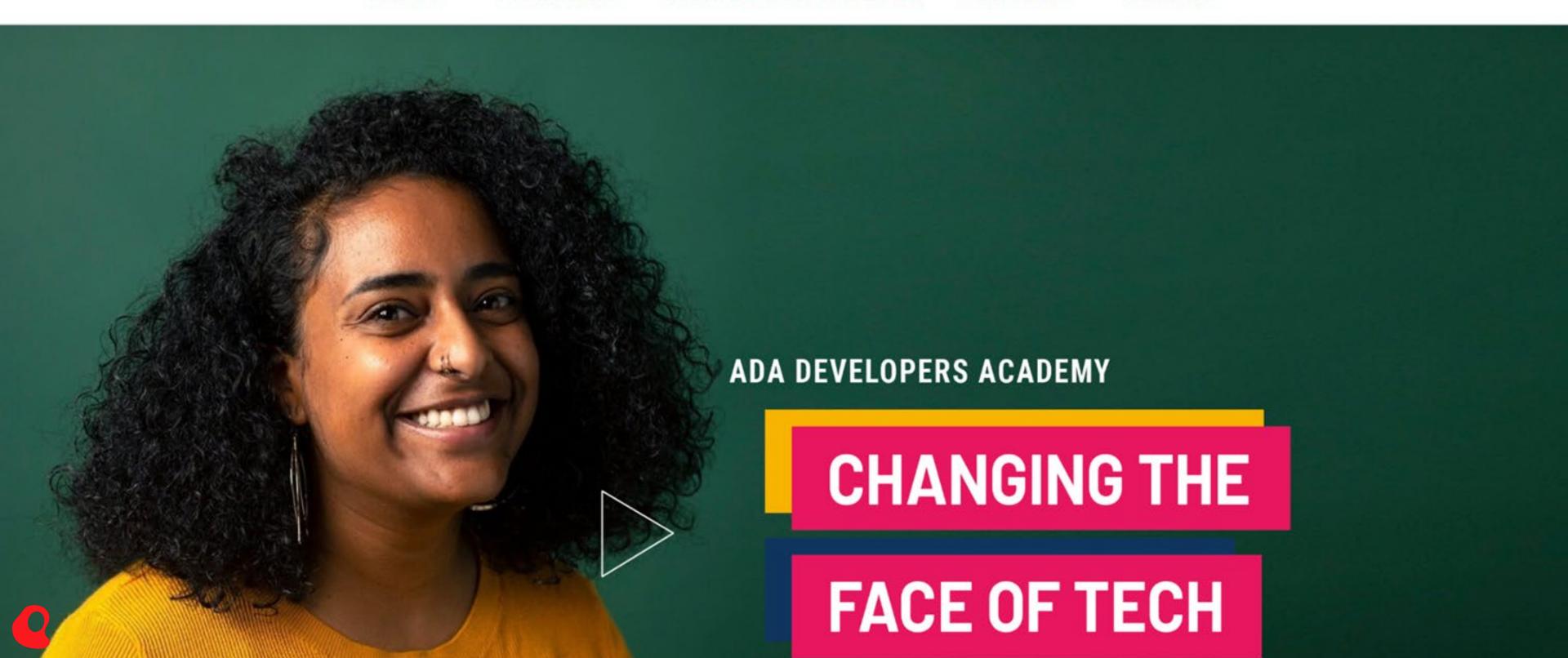
To make a long post shorter, he essentially is replacing all cohort leaders with software, he's replacing cohort leaders with Ai. All for making it easier for students to get jobs, according to CEO Kush.

So, students won't have a wonderful mentor to do the program with anymore. The cohort leaders were responsible for reading reports, ensuring students are on track, and helping students whenever any problems arise. They are replacing our leaders with software "to help us".

tudents are desperately looking for a way out of the program right now. But if we do drop out, e will owe the school \$256 for everyday we have attended.



ABOUT - PROGRAMS CORPORATE PARTNERS - CONNECT - DONATE -

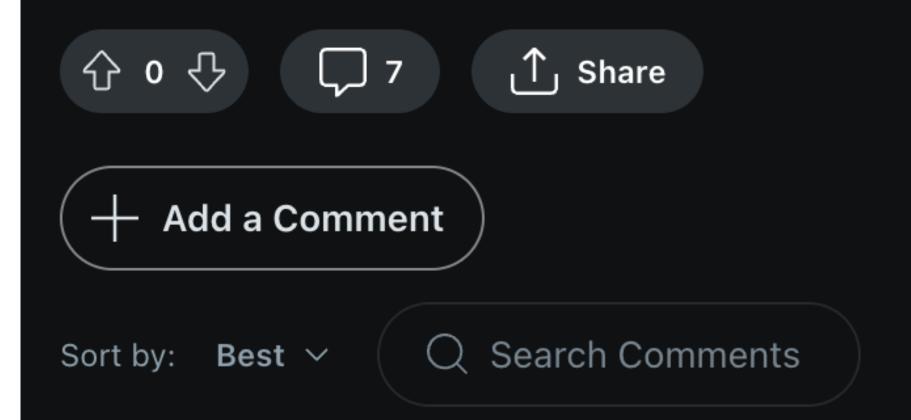


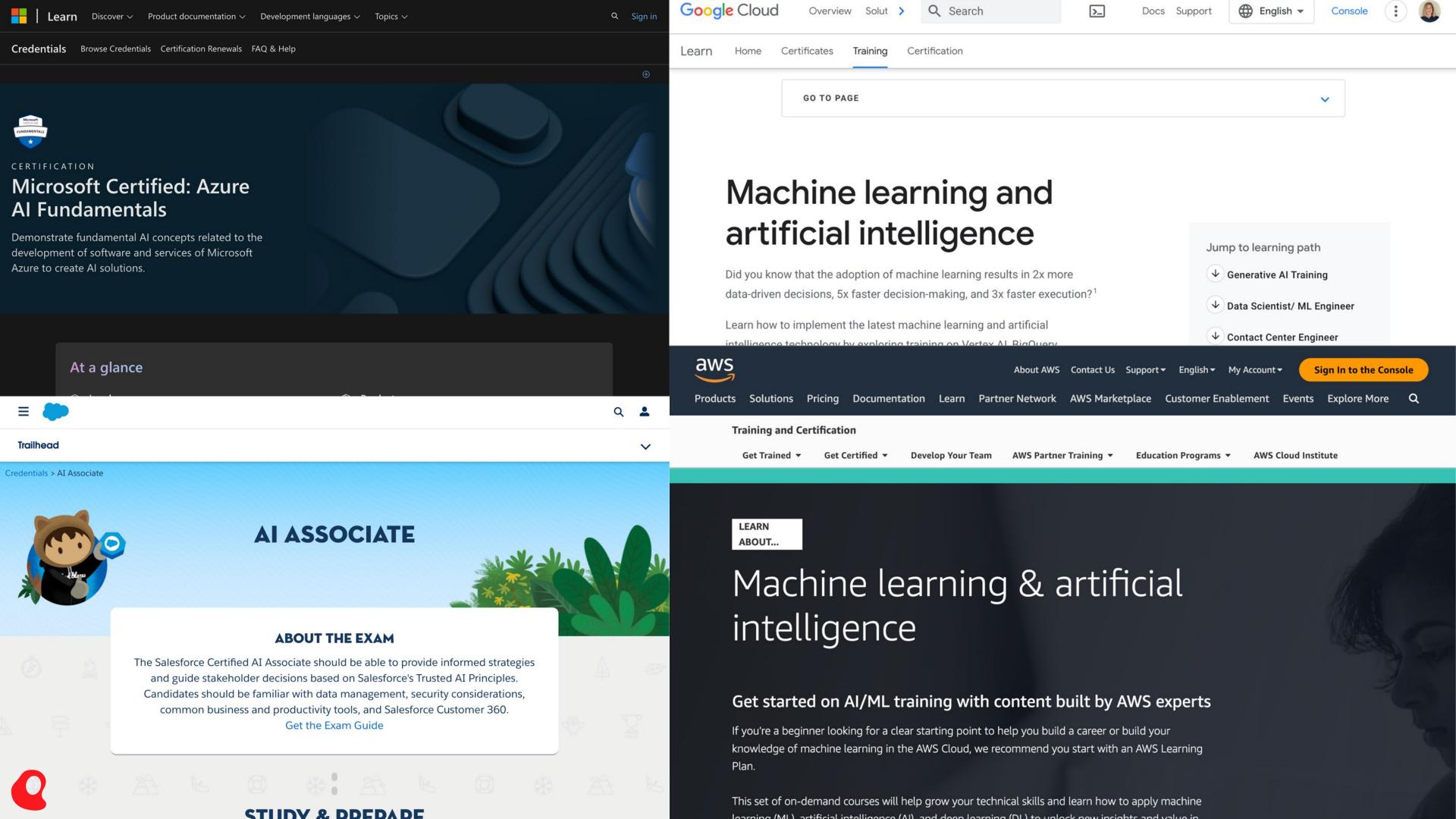


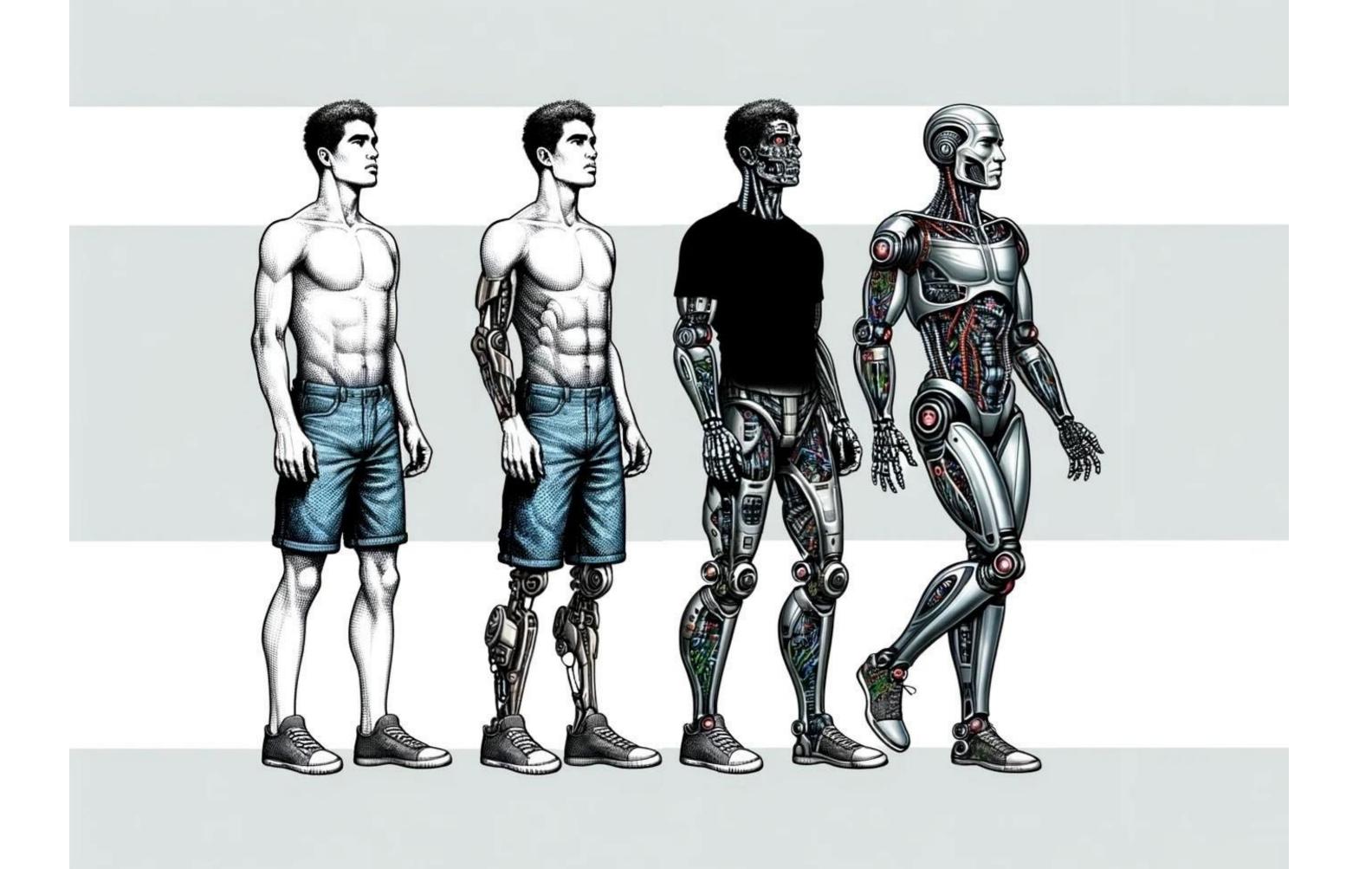
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Is Chat GPT to blame?

For lack of internships? I heard on a podcast from a former CFO at Google that Chat GPT is coding for 75% of one of their previous internship partnerships.







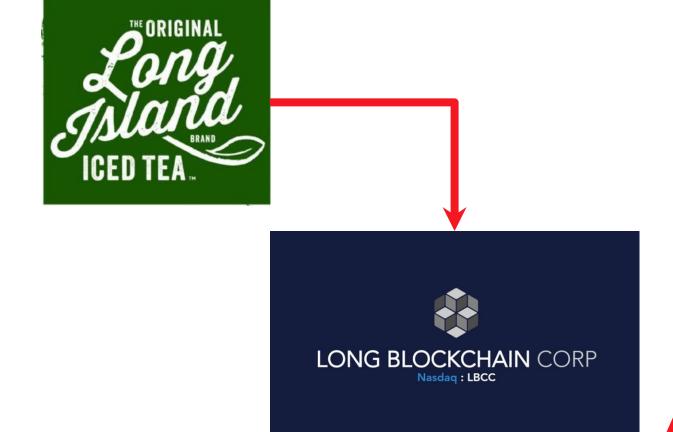




REBRANDING

Rebranding

More than a rename / logo change



More than resume inflation

"I have 5 years of AI experience!"

(a techbro translation guide)

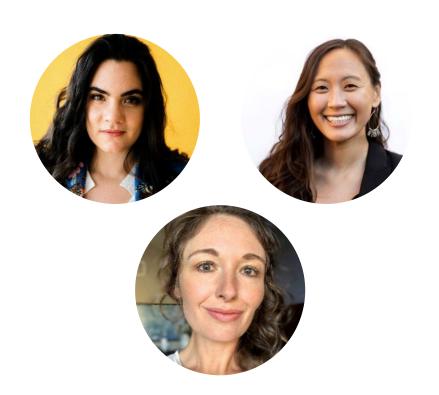
- I can do linear regression!
- I have built a Slackbot!
- I created automations in Jira!



The New Developer

Al Skill Threat, Identity Change & Developer Thriving in the Transition to Al-Assisted Software Development





"Learning culture and belonging on software teams predicted a decrease in Al Skill Threat & an increase in both individual developer productivity and overall team effectiveness."



The New Developer Research Paper

Generative Al Adoption Toolkit





@grimalkina @KFosterMarks

@CSLee@mastodon.social

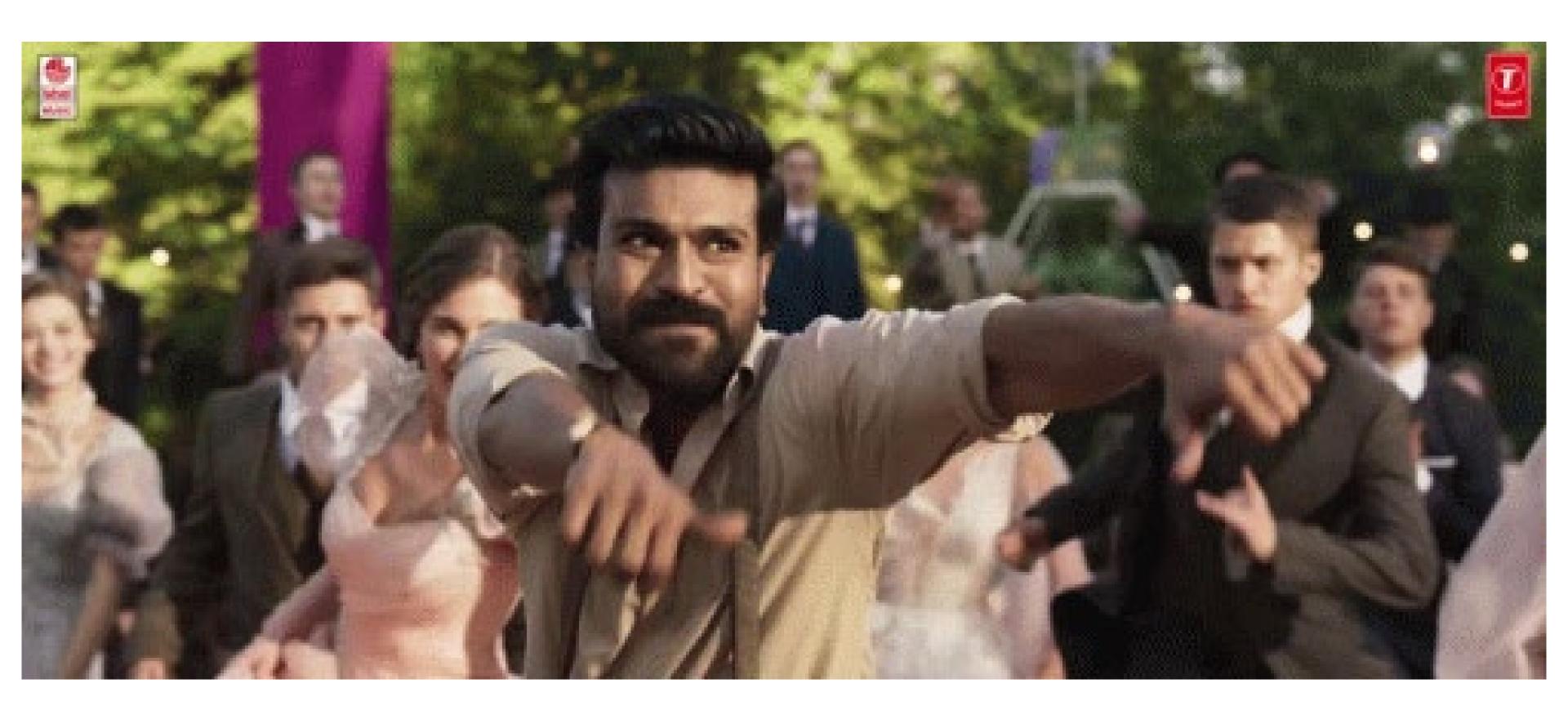




steve o'grady @sogrady

new rule: as of 2024, "tech conference" and "Al conference" are now synonyms

8:29 AM · May 2, 2024 · **1,971** Views





CONCLUSION



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