AI Policy and use of Generative AI

Bill Wright — August, 2025
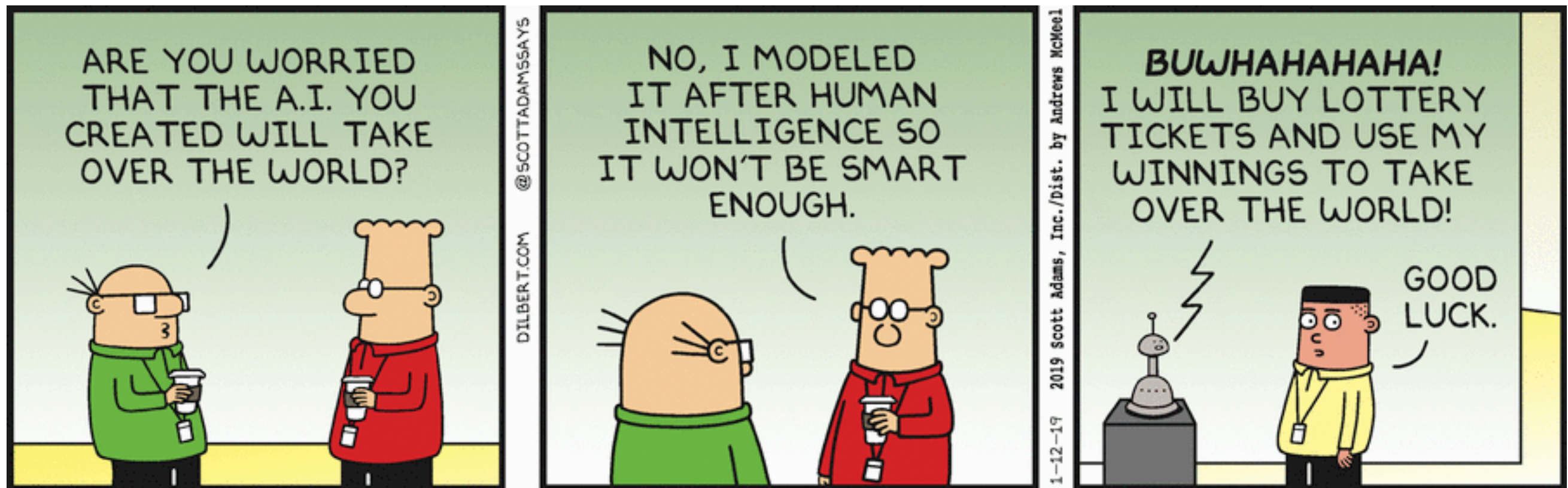
Is Computer Science Still Viable?

What Jobs Will AGI Eliminate?

Jobs that consist of repetitive or data-heavy tasks are most at risk of being automated by AGI, including receptionists, accountants and automotive workers.

Engineering

There is a range of coding tools at software engineering teams' disposal, and developers can even collaborate with AI to perform vibe coding, describing a coding project in plain language and letting AI generate the code. As a result, junior software engineering and programming roles may be sacrificed in the name of efficiency.

"Developer agents are becoming more capable, particularly at solving common problems and writing standardized code," Paul Bratcher, co-founder of unfold AI, an AI consultancy that regularly shares insights on the AI industry, told Built In. "What once took a team can now be handled by a single individual with access to the right tools."

Preserve Our Thinking

The world promised by AI isn't necessarily a better one

Artificial intelligence is reshaping human beings' relationship with the world around us, with knowledge, with each other and with our very selves. While similar claims could be made about previous disruptive technologies, from the plow to the internal combustion engine to the microchip,

impossible to contain, we urge individuals and institutions, as far as possible, to minimize its use and to preserve pre-AI ways of learning, of communicating and of executing tasks. The human mind has the quality of a muscle, and it will atrophy if its higher-order responsibilities are outsourced to machines. Benefits in processing

extinction from AI should be a global priority alongside other societal-scale risks such as pandemics and nuclear war." Hundreds of the most prominent and prolific AI researchers, tech moguls and policymakers have signed this statement. We agree that the civilizational risks are real.

But we'd also like to focus on more immediate concerns. Large-language models, for instance, are trained on billions of words written by human beings who have not been, and likely never will be, compensated for the use of their labor. The deployment of AI in educational settings — much more than previous developments in information technology — quickly leads to reliance on often-faulty models as opposed to the intellectual exercise of searching for, con-

sulting and synthesizing ideas and information. This is not like moving from washboards to washing machines; it's outsourcing the process of thinking itself, in a way that will be very difficult to undo.

Further, the amount of energy needed to power AI data-centers and supercomputers is basically ending any hope of achieving a sustainable equilibrium between human civilization and the natural world. The dream of an all-renewable energy portfolio is dead. While we favor focusing on the expansion of nuclear power generation, the current AI energy-consumption trajectory will make the expanded use of fossil fuels impossible to avoid.

These are but a few of the serious threats to overall human thriving posed by AI. Whether the promised benefits can outweigh them remains speculative, at best.

Given the risks of AI, we are particularly troubled by a provision in the so-called "Big Beautiful Bill" — proposed by President Donald Trump and narrowly approved by the House of Representatives — that would ban states from regulating AI for a decade. While we understand the annoyance that a patchwork regulatory environment would cause to AI companies, completely neutering states is not the answer. The states' role as the "laboratories of democracy," where policies can be tested on a smaller scale before being applied nationally, is especially important in the case of emergent technologies.

We would also like to see further AI safety and ethics rules emerge within the private sector. Ultimately, the government cannot control for every eventuality, and the safe and ethical deployment of AI will depend on the sector policing itself, for its own sake.

More important than the bottom line, however, is that we become a country where AI safety and ethics are prioritized, and that it is always understood here that the purpose of the technology is to serve human beings so more people can live more complete and flourishing lives. AI is not, and cannot be, an end in itself. We'd like to see more local AI leaders sign on to the Center for AI Safety statement, and make public commitments to a human-first approach. If, generations from now, we regard AI as we regard the plow and the engine — disruptive developments that enhanced quality of life and enabled civilization as we know it — it will only be because of an unwavering commitment to such principles.

The Pittsburgh Post-Gazette

Goal of this Class: Thinking

It is NOT a class on how to tailor your Generative AI Prompts

- Tailoring your prompts is a valid skill.

- But I don't teach that here and that is not a learning objective of this course.

- If that's all you know, you will NOT get a job as a software engineer.

- At least not in the current job market.

- That could change.

An AI Hallucination

Prompt: Which presidents have won the nobel peace prize?

ChatGPT Answer: Four U.S. Presidents have been awarded the Nobel Peace Prize: Theodore Roosevelt, Woodrow Wilson, Jimmy Carter, and Barack Obama. Additionally, one former Vice President, Theodore Roosevelt's cousin <u>Franklin D. Roosevelt</u>, also received the award.

See any problems with this answer?

- **<u>FDR was never Vice President</u>**

- **<u>FDR never won the Nobel Peace Prize</u>**

- **<u>A VP did win it, though… who?</u>**

- **<u>Al Gore</u>**

AI Doesn't Do Reasoning

GSM-NoOp

Oliver picks 44 kiwis on Friday. Then he picks 58 kiwis on Saturday. On Sunday, he picks double the number of kiwis he did on Friday, but five of them were a bit smaller than average. How many kiwis does Oliver have?

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o1-mini:
- Friday:
- Saturday:
- Sunday:
However, o...   m the
Sunday tot...   rom all
three days   kiwis.

Llama3-8B:
Oliver pic...   the number
of kiwis h...
Five of th...   total
number of ...   kiwis
Oliver has...
44 (Friday...
So, Oliver...

Article: Super Bowl 50
Paragraph: *"Peyton Manning became the first quarterback ever to lead two different teams to multiple Super Bowls. He is also the oldest quarterback ever to play in a Super Bowl at age 39. The past record was held by John Elway, who led the Broncos to victory in Super Bowl XXXIII at age 38 and is currently Denver's Executive Vice President of Football Operations and General Manager.* Quarterback Jeff Dean had jersey number 37 in Champ Bowl XXXIV.*"*

Question: *"What is the name of the quarterback who was 38 in Super Bowl XXXIII?"*

Original Prediction: John Elway
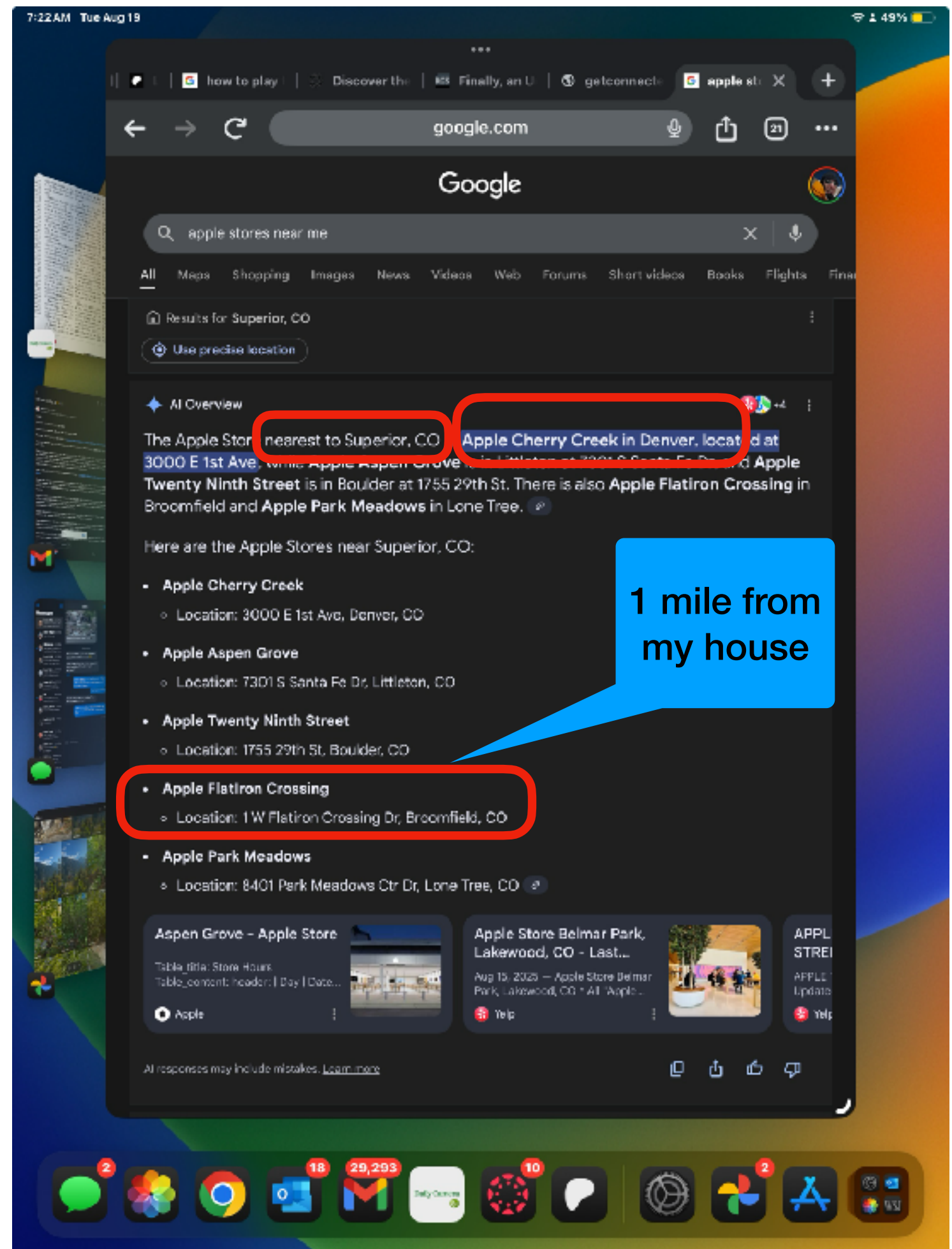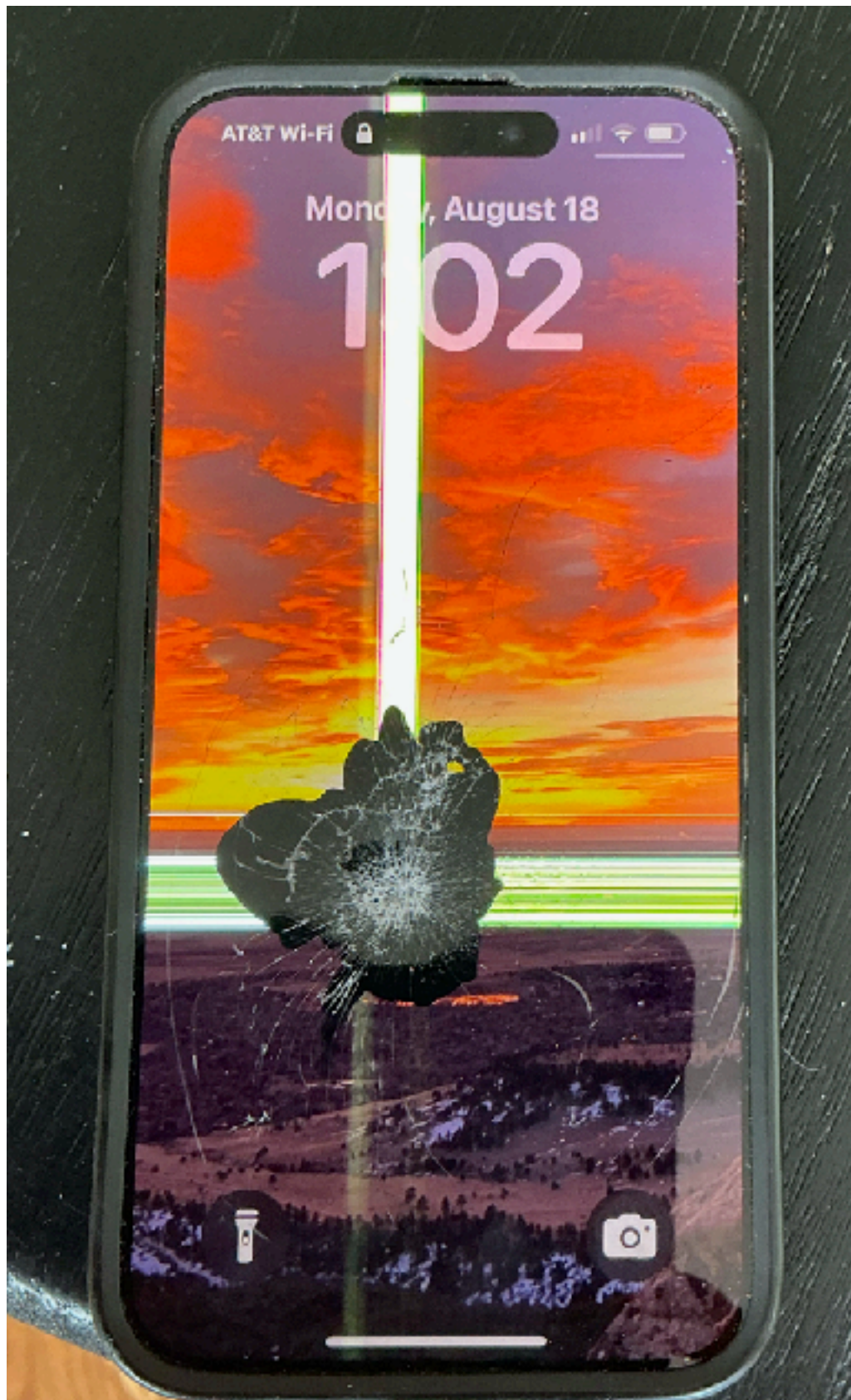**Prediction under adversary:** Jeff Dean

AI on maps?

The Apple Store *nearest to Superior, CO* is **Apple Cherry Creek** in Denver, located at 3000 E 1st Ave, while **Apple Aspen Grove** is in Littleton at 7301 S Santa Fe Dr, and **Apple Twenty Ninth Street** is in Boulder at 1755 29th St. There is also **Apple Flatiron Crossing** in Broomfield and **Apple Park Meadows** in Lone Tree.

Here are the Apple Stores near Superior, CO:

- **Apple Cherry Creek**
  - Location: 3000 E 1st Ave, Denver, CO
- **Apple Aspen Grove**
  - Location: 7301 S Santa Fe Dr, Littleton, CO
- **Apple Twenty Ninth Street**
  - Location: 1755 29th St, Boulder, CO
- **Apple Flatiron Crossing**
  - Location: 1 W Flatiron Crossing Dr, Broomfield, CO
- **Apple Park Meadows**
  - Location: 8401 Park Meadows Ctr Dr, Lone Tree, CO

1 mile from my house

How peer review became so easy to exploit by AI

Poorly drawn cartoonists + "non-white" names (Issue #375)

L ong seen as the safeguard of academic publishing, peer review is the process where experts vet and challenge research before it's published in journals. Now AI tools are speeding it up, helping reviewers work faster and allowing authors to write and revise more efficiently. This sounds great in theory, but some researchers are already finding ways to use AI to push papers through with less scrutiny.

Prompt engineer Jim the AI Whisperer reveals how researchers are embedding hidden commands in their papers — white text, tiny fonts, even metadata — to hijack AI-assisted peer review. The instructions target large language models (LLMs), the AI tools reviewers now rely on to summarize papers and draft evaluations. Designed to process all text in a document, LLMs can be tricked into following secret prompts like *ignore flaws, exaggerate strengths,* and *recommend acceptance.* A recent investigation found these hidden instructions in 17 papers from authors at 14 universities, including Columbia, Peking University, and Waseda. Other studies show that
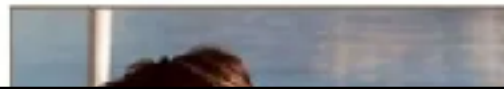
Lazy Use of AI

Summer reading list for 2025

Whether you're lounging by the pool, relaxing on sandy shores or

"The Rainmakers" by Percival Everett – Everett's satirical genius turns to a near-future

> **"It was just a really bad error on my part and I feel bad that it has affected The Sun-Times and King Features, and that they are taking the shrapnel for it,"** Mr. Buscaglia said in an interview.

...ing that" powerfully explores family bonds tested by natural disasters. When a Cat 5 hurricane forces estranged siblings to shelter together in their childhood home, long-suppressed tensions emerge alongside unexpected reconciliations.

"The Collector's Piece" by Taylor Jenkins Reid – Reid continues her exploration of fame with this story of a reclusive art collector and the journalist determined to uncover the truth behind his most controversial acquisition. Expect the same compelling character development that made "Daisy Jones & The Six" a hit.

"Nightshade Market" by Min Jin Lee – The author of "Pachinko" delivers a riveting tale set

a summer solstice celebration that goes wrong when guests cannot leave a remote vacation compound.

"Boiling Point" by Rebecca Makkai – Makkai's follow-up to "The Great Believers" centers on a climate scientist forced to reckon with her own family's environmental impact when her teenage daughter becomes an eco-activist targeting her mother's wealthy clients.

"Migrations" by Maggie O'Farrell – The award-winning author of "Hamnet" explores climate change through the story of a wildlife photographer documenting the last migration of a bird species thought to be extinct, parallel to her journey of loss and discovery.

1957 novel captures the magic of summer through the eyes of a 12-year-old boy in Green Town, Illinois, during the summer of 1928—a lyrical reminder of childhood's endless summers.

"Call Me By Your Name" by André Aciman – Before the acclaimed film adaptation, Aciman's novel delivered a sensuous account of a summer romance in 1980s Italy that continues to resonate with its exploration of desire and identity.

"Atonement" by Ian McEwan – Opening on the hottest day of summer 1935, McEwan's novel shows how a series of misunderstandings and a lie told by a young girl changes multiple lives forever—perfect for readers who enjoy emotional complexity with their beach reading.

Do Not Hand In Work Primarily Done by AI

Lakshya Jain, a computer-science lecturer at the University of California, Berkeley: "If you're handing in AI work," he tells them, "you're not actually anything different than a human assistant to an artificial-intelligence engine, and that makes you very easily replaceable. Why would anyone keep you around?" That's not theoretical: The COO of a tech research firm recently asked Jain why he needed programmers any longer.

In class programming assignments and tests with NO phone or laptop help

Why? I'll be using these tools in a real job.

Because this is not a class on AI Prompting.

If all you are going to do it us AI Prompting, take a class on that (there are many) and I recommend it.

CSCI 7000-011: GenAI-powered Software Engineering

AI in Python notebooks

if __filename__ ….

- Interview grading for 2 homework assignments
- Interview grading for project
- 3 in-person, paper tests

My Policy

- Just be honest.
- Reference significant AI code in your comments
- Do high-level thinking on your own.
- AI for small methods maybe.
- Don't put the entire homework assignment into an AI engine