



# WHY CAN'T AI DO MY DISHES ALREADY?

Kellyn Gorman

Advocate and Engineer, Redgate



# ABOUT ME



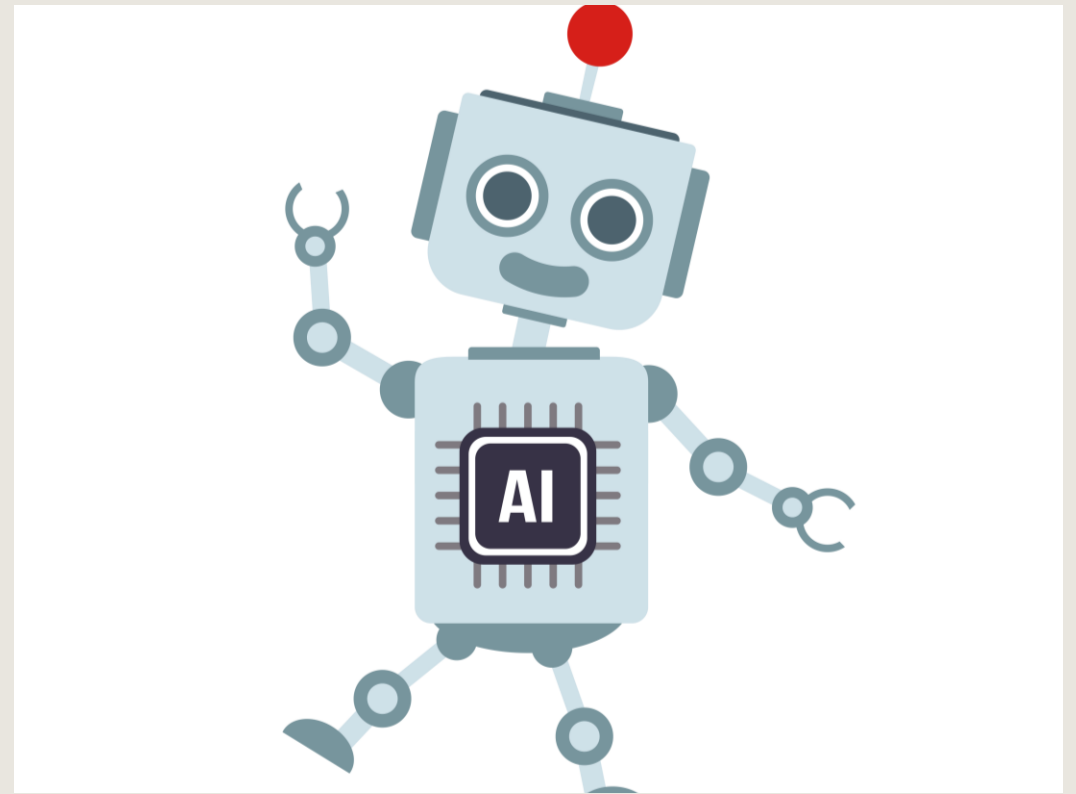
Kellyn Gorman

NEW Advocate and Engineer at  
Redgate

Advisor for Data and AI at Silk

In relational systems for quarter  
of a century

# ARTIFICIAL INTELLIGENCE



<https://x.com/AuthorJMac/status/1773679197631701238?lang=en>



Is it a tool to optimize the workforce?

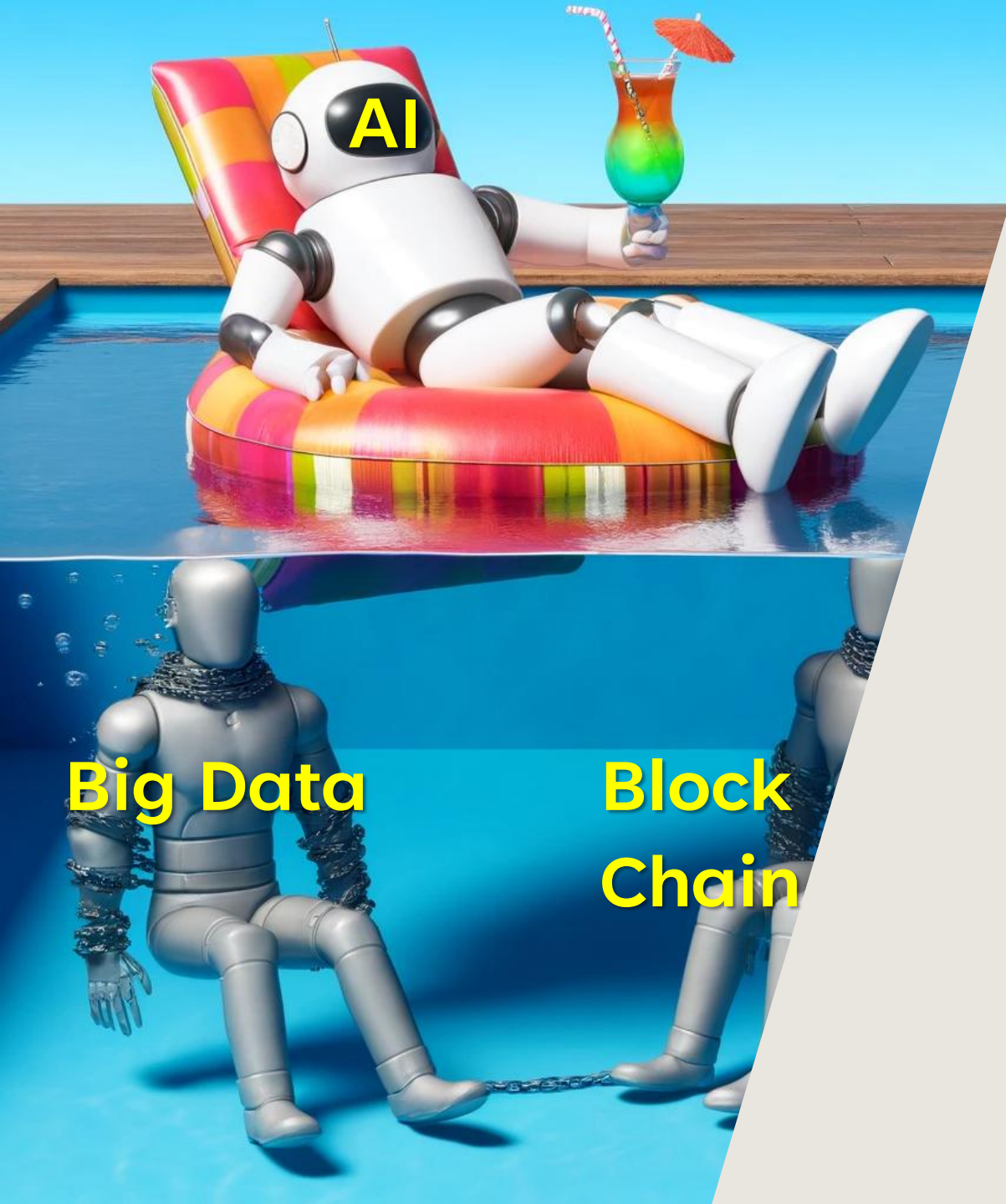
Is it a creative powerhouse to generate art and images?

Is it a digital assistant, fulfilling requests for meetings, answering questions, etc.?

WHAT IS AI?

It is here to replace us all?





# AI IS THE CHOSEN ONE

Remember Big data?

Remember Block chain?

AI is the newest and the hottest thing in  
technology!

# AI: THE SOLUTION FOR EVERYTHING?

- **Automation and Efficiency:** AI can automate repetitive, time-consuming tasks.
- **Decision Making:** AI is data-driven decision making, processing vast amounts of data quickly.
- **Customer Experience:** It enables personalized customer interactions, including chatbots that create tailored experiences to boost customer satisfaction.
- **Scalability:** AI systems can scale operations without proportional increase in resources.
- **Cost Reduction:** AI can optimize resources, predict trends and risk, reducing operational cost, which makes it attractive to organizations.



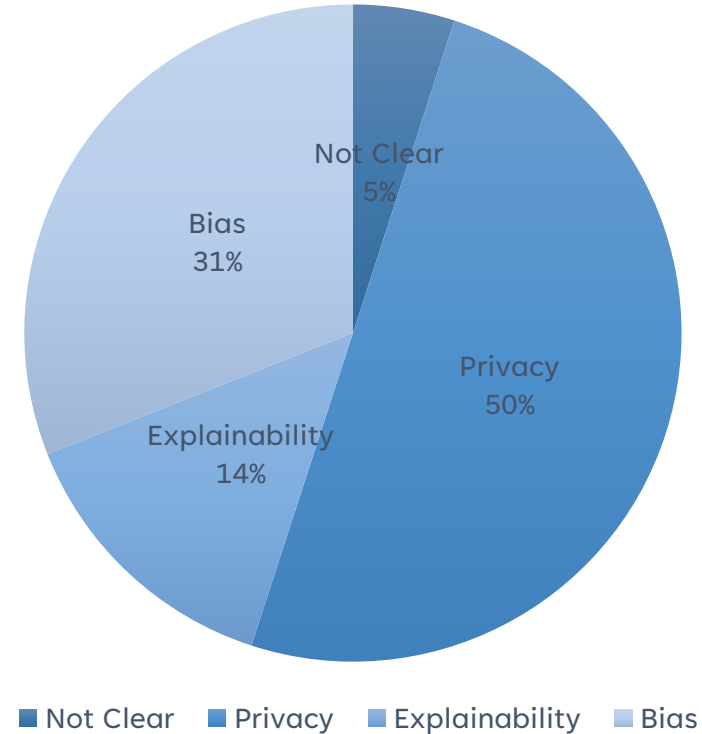
ITS NOT ALWAYS  
THE RIGHT  
ANSWER FOR  
EVERYTHING

And is it being used for the RIGHT THING?

# ORGANIZATION CONCERNS AROUND AI

- Reputational Issues
  - Intrusion in Privacy
  - Failures in Consent
  - Algorithmic Bias
  - Explainability

Concerns with AI





# IS AI REALLY ARTIFICIAL INTELLIGENCE?

- Many Computer Scientists do NOT like the term A.I.
- Currently A.I is a tool, not a creature
  - It is a form of informative collaboration.
  - The work is done by human minds
  - Mashed up and presented in a very usable way.
- A percentage foresee AI, as it is now, being completely unusable in upcoming years if it does not quickly evolve.
- Average estimate is 10% chance that A.I. will someday destroy humanity.
- Many in the community would like a pause, but for what?

***“The easiest way to mismanage a technology is to misunderstand it.”***

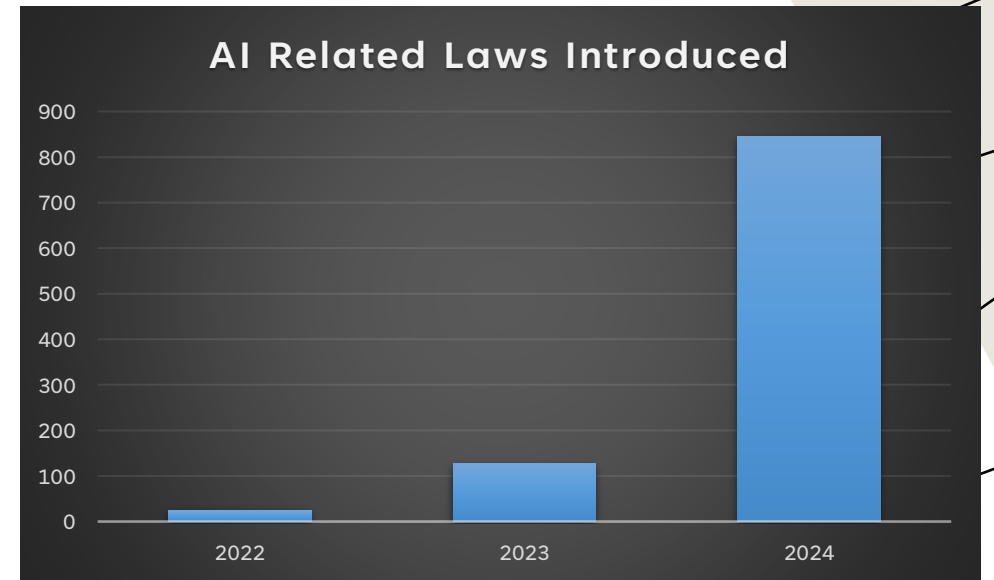
**~ Jaron Lanier**

# A LITTLE DELAY IMPROVES INNOVATION

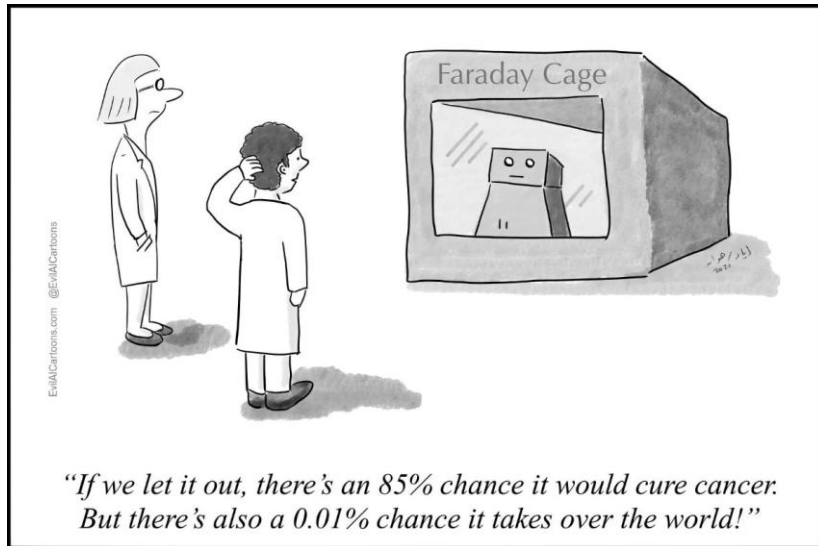
- EU Artificial Intelligence Act (AIA)
- National Artificial Intelligence Initiative Act of 2020 (US, [H.R. 6216](#))
- AI in Government Act(US, [H.R. 2575](#))
- Advancing American AI Act (US, [S. 1353](#))

**14 states passed legislation between 2016-2022**

**Over 3000% increase in AI related laws between 2022 and 2024**



# AI AND ETHICS



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Bias Propagation

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Plagiarism/Copyright

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Misuse of AI technology

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Unfair AI Playing Field/Inclusion

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Misinformation/Overall AI poisoning

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Transparency and Accountability

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Privacy/Risk

BUT....SCIENTIFIC PROGRESS IS UNPREDICTABLE!



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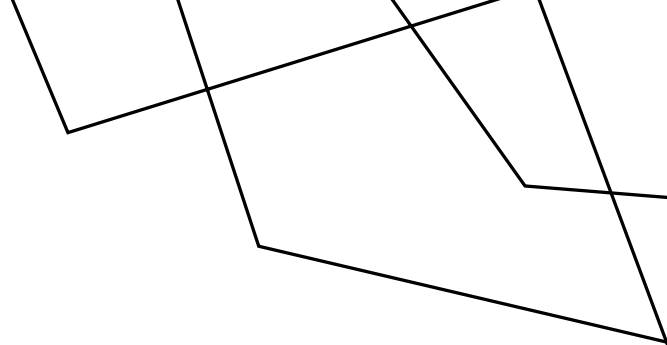
Unpredictable or Unaccountable?

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Is it greed that's really driving it?

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Impractical is interesting, dishes are tedious.



***[AI TOOLS] DO A POOR JOB OF MUCH OF WHAT PEOPLE TRY TO DO WITH THEM, THEY CAN'T DO THE THINGS THEIR CREATORS CLAIM THEY ONE DAY MIGHT, AND MANY OF THE THINGS THEY ARE WELL SUITED TO DO MAY NOT BE ALTOGETHER THAT BENEFICIAL.***

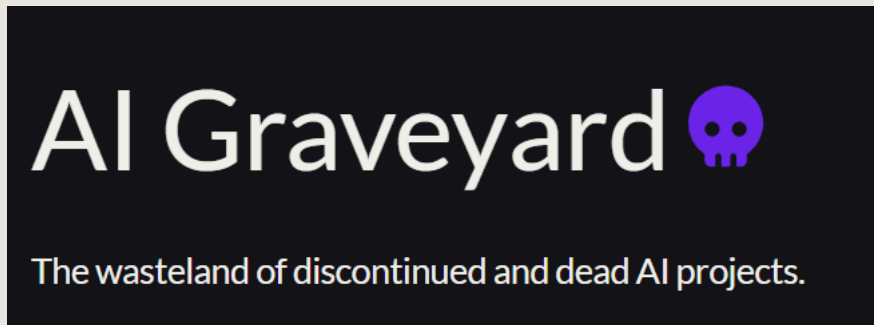
~[Molly White](#), Researcher and Software Developer for  
Citation Needed



# THE AI GRAVEYARD

Deprecation of:

- AI Chatbots
- Natural Language AI
- Selfie creators
- Pretend GF/BF/Friends
- AI PDAs



<https://dang.ai/ai-graveyard>



SO, WHAT DO I  
THINK IS THE  
WORST AND BEST  
OF AI?

7-TIERS OF NON-LEAGUE  
FOOTBALL TEAMS ARE BEING  
COACHED BY A CYBERNETIC  
LEAGUE. IN THE LOWER DIVISION,  
WIMBORNE AND FINCHLEY FC HAVE  
EMBEDDED AN AI COACH FOR  
TACTICAL ADVICE, USING  
AMAZON ECHO.

Coaching Football = Odd Use



<https://gsy.bailiwickexpress.com/gsy/life/technology/non-league-football-club-turns-ai-coach-tactical-insights/>

# PROTECTING ANIMALS

## Google Cloud/PostgreSQL/Cloud AutoML and AI Services

Lion, Tigers and (Polar) Bears...

- Low-cost acoustic loggers
  - Visual representation of sound(spectrogram) with computer vision
  - Identify species calls
  - Humans (including potential poachers)
- Motion-activated cameras
  - Think like “Facial recognition software”

Lion population was down to 12, now over 500!



[AI Safety Summit 2023: the new tech transforming conservation | The Zoological Society of London \(zsl.org\)](#)  
<https://cloud.google.com/customers/zsl>



# CAPABILITIES



- Able to identify species in a fraction of the time.
- Trains new LLMs via archival data.
- Real-time analysis monitoring without human interaction, protecting both humans and animals involved.
- Isolates and delays real-time data to protect from poachers
- Deployed now to over 50 countries
- Eleven main species expanded to over 800!



## SIMILAR PROGRAMS

- [Wildtrack](#)
  - AI, data analysis and tracking technology.
  - Footprint Identification Technology (FIT)
- [Ambio](#)
  - Tracks be Ambio that may be tracking endangered animals and alerts
  - Water level and other IoT information for advanced analytics.
- [AI from National Wildlife Federation](#)
  - Images uploaded to site, can identify lions, whales, seals and even trout!

**Saving Animals = Great Use**

DOWNLOADS AN IMAGE FROM  
THISPERSONDOESNOTEXIST.COM EVERY 5 SECONDS WITH  
A VOTING SYSTEM BUILT INTO AI TO JUDGE IF THEY ARE  
HOT OR NOT.



<https://boingboing.net/2019/02/27/this-website-is-a-hot-or-not-f.html>

# TACKLING HUMAN TRAFFICKING



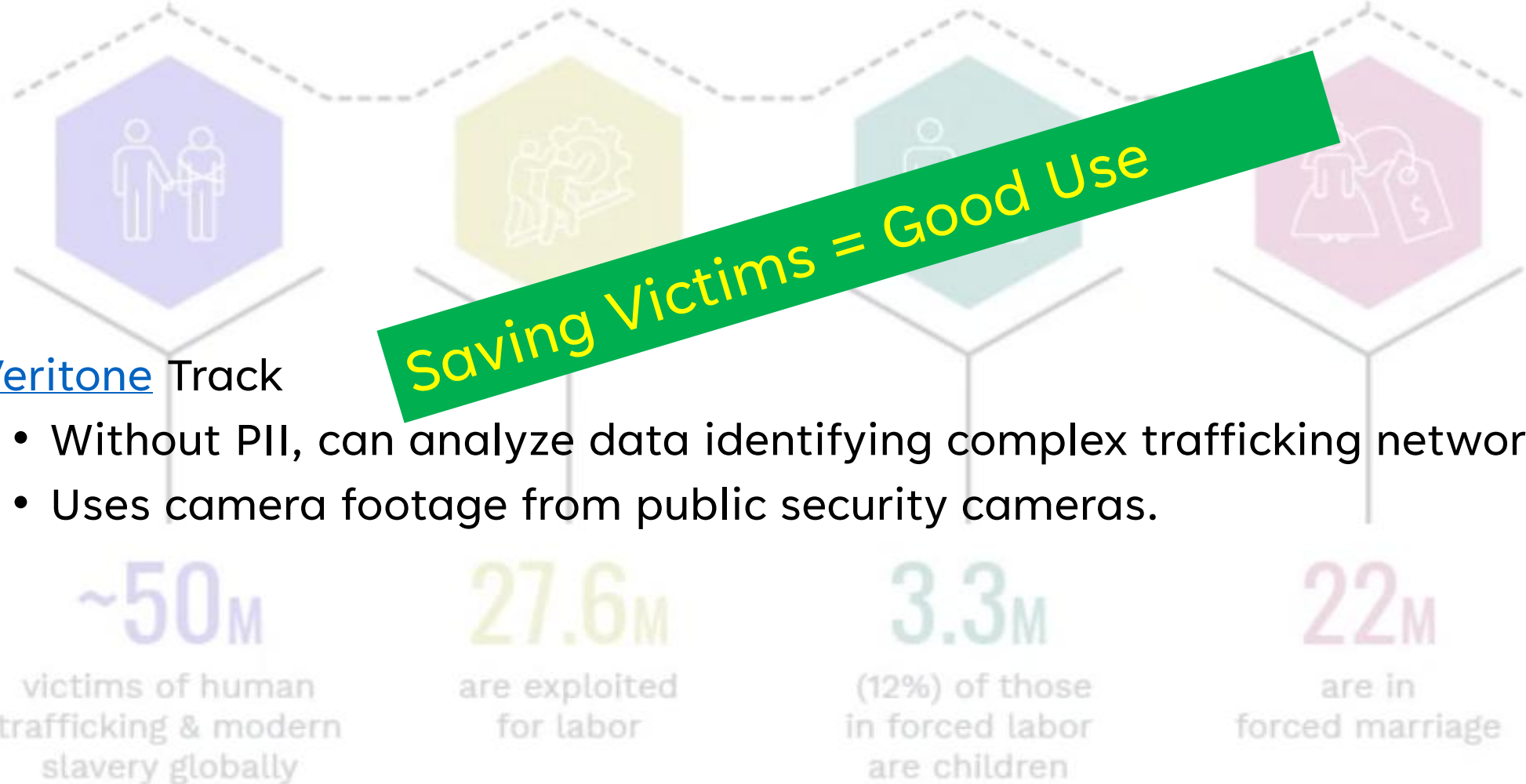
Microsoft Azure, Splunk with Graphistry and AI

Artemis collects data from public records and online resources, identifying those who may be most likely involved in human trafficking.

- Also tracks data from the dark web.
- Able to ID individuals being trafficked.
- Restricted and secure system
- Includes images that may be used soon with facial recognition software.

# Human trafficking statistics:

## PROTECTING THOSE WHO CAN'T PROTECT THEMSELVES



- [Veritone](#) Track
  - Without PII, can analyze data identifying complex trafficking networks.
  - Uses camera footage from public security cameras.



AI TRAINED NEURAL  
NETWORKS TO THE ART  
OF REJECTION FEEDS  
PICK-UP LINES VIA  
EARBUDS.

Creating Pickup Lines = Creepier Use

<https://apps.apple.com/us/app/rizz-ai-pickup-lines-wingman/id6476652212>





# AI HEALTHCARE AND SURGICAL ADVANCES



Improving Medical Care = Good Use

- 3D Anatomical overlays and augmented reality
- AI-formatted data and robotic surgery guidance
- Medical decision support via massive medical databases and machine learning.
- Preoperative risk assessment on candidates for organ transplant for better outcomes
- Detection of cancer
- Efficiency of care centers and hospitals

<https://pmc.ncbi.nlm.nih.gov/articles/PMC11293880/>



**Fortune Cookie Predictions = Poor Use**

MIT-TRAINED RESEARCHER HAS  
BUILT A MODEL THAT  
GIVES A PREDICTION TO  
TELL YOUR FUTURE BASED OFF  
A TRAINED NEURAL NETWORK  
ON MESSAGES FOUND IN 1000'S  
OF FORTUNE COOKIES.

<https://theskepticalguy.com/2023/07/05/another-use-for-ai-and-chatgpt-writing-better-fortunes-for-fortune-cookies/>

# DRONES AND AI PREVENTING FOREST FIRES



Already in use with human-powered pilots, moving to 30 AI-powered drone planes.

- Equipped with cameras and swarm engineering
- 31 ft and have water-carrying capacity
- Smaller test drones do reconnaissance and larger one puts out the beginning fire before it spreads.
- No human intervention is required, protecting pilots and ground firefighters, etc. if the fires were to spread.

# FIGHTING FIRES IS A HUGE USE CASE FOR AI AND DRONES

## [Advanced AI Solutions](#)

- Early detection drones
- Capable of putting out small blazes

## [NASA](#)

- AI controlled, no human control required
- Swarms of drones for early detection
- Able to put out small fires and bring in larger reinforcements.

Stopping Fires = Great Use



GOOGLE'S AUTOML VISION HAS  
BEEN TRAINED TO FIND  
WALDO- LITERALLY  
ROBOTIC ARM USED TO  
POINT OUT WALDO ONCE THE  
CAMERA TAKING PICS FROM  
THE FAMOUS BOOKS.

**Finding Waldo = Capital Crime**

<https://www.redpepper.land/blog/theres-waldo-a-robot-that-finds-waldo>





# CLIMATE CHANGE

- Using technology to empower governments and industries to adapt.
- Comprehending risks and opportunities as climate changes incidents increase.
- Resilience against future impacts and how to better help populations.

WORLD  
ECONOMIC  
FORUM



# HOW AI IS HELPING WITH CLIMATE CHANGE



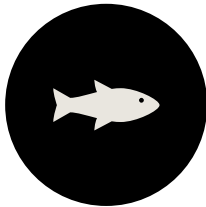
Knows where and how fast



Using satellite images, AI can map deforestation

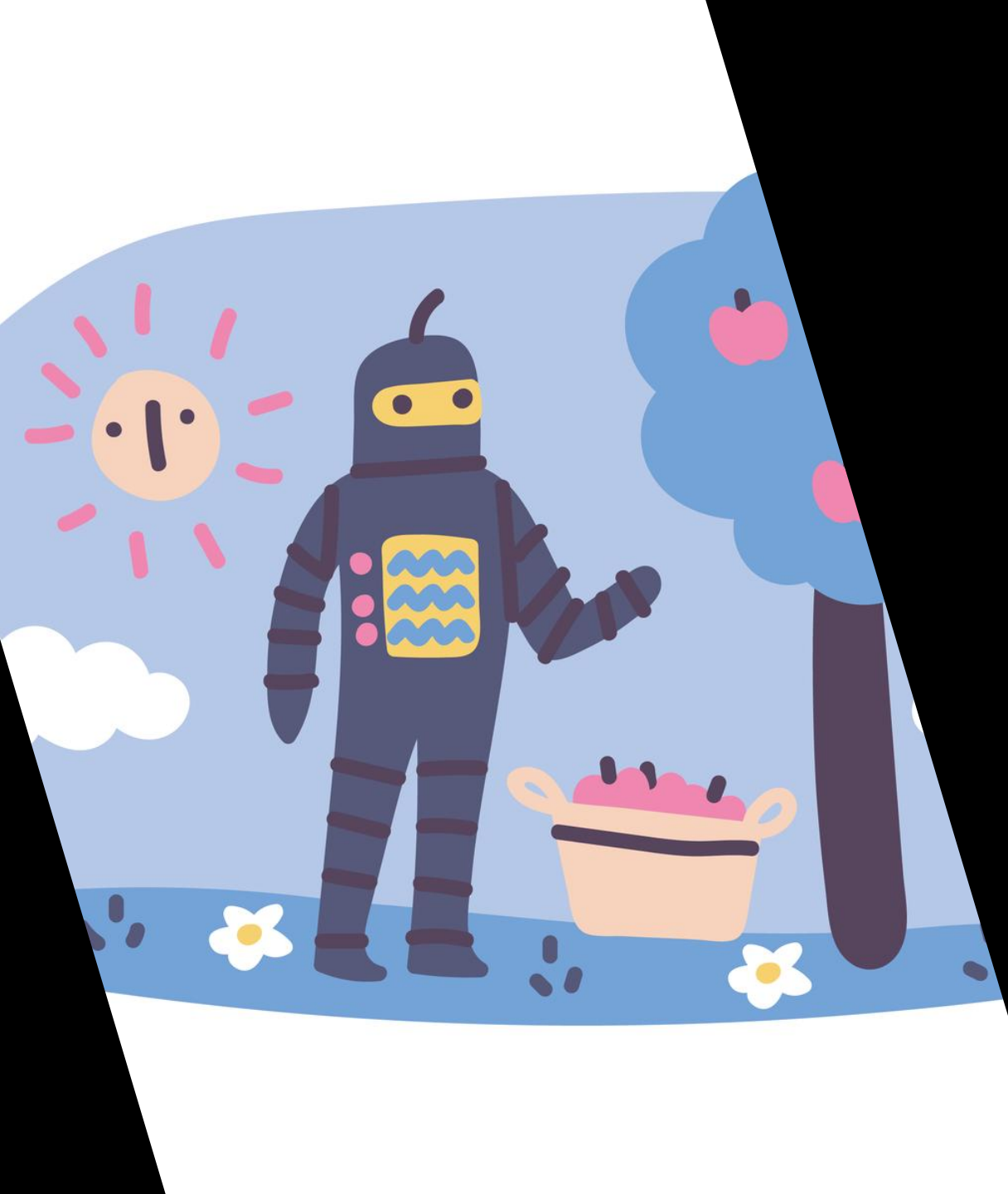


Recycle more effectively.



Cleans the Oceans

Addressing Climate Change = Great Use



# WHEN AI CREATES SOMETHING FOR THE BETTERMENT OF THE WORLD

It may not be as entertaining, but it is  
better society.

# AI IS NOT JUST ABOUT CHATBOTS ON RETAIL SITES

- **AI really is being used for the betterment of the world, too.**

IoT data for real-time data

ML with different learning mechanisms for deeper data analysis

Computer vision to add visual data

Robotics to physically perform tasks

While policies are put in place to ensure more guard rails.

An abstract graphic on the left side of the slide, consisting of several white lines of varying lengths and orientations that intersect to form a series of overlapping, irregular polygons and triangles. The lines are thin and white, contrasting sharply with the black background.

# HOW TO BECOME AN ACCIDENTAL AI SPECIALIST

Understand the unique challenges that AI presents.

Work with AI technology with free products and open source.

Be willing to jump in on projects that others avoid.

# SKILLS BENEFICIAL TO AI



- Knowledge of infrastructure, open source and cloud services.
- Coding skills in Python, Java, R, C++ and JavaScript
- Data modeling and platform engineering
- Data analysis
- Machine Learning models
- Cloud services around AI and ML
- DevOps
- Adaptability and Continuous Learning



A stylized illustration on the left side of the slide. It features a blue folder with a white skull and crossbones icon, a red shield with a white checkmark, a red circle containing a black hooded figure, a white Wi-Fi symbol, a white eye with a diagonal line through it, a red triangle with a white exclamation mark, a blue line graph, and a laptop. The laptop screen shows a red padlock icon and a red progress bar that is about half full. A white power cord is plugged into the bottom of the laptop. The background is dark blue with white geometric lines.

# CUSP OF AI IN THE NEXT YEAR

Streamline of AI initiatives.

AI services will become the norm, allowing for plug-n-play.

Data will be reeled in and more data lineage/governance.

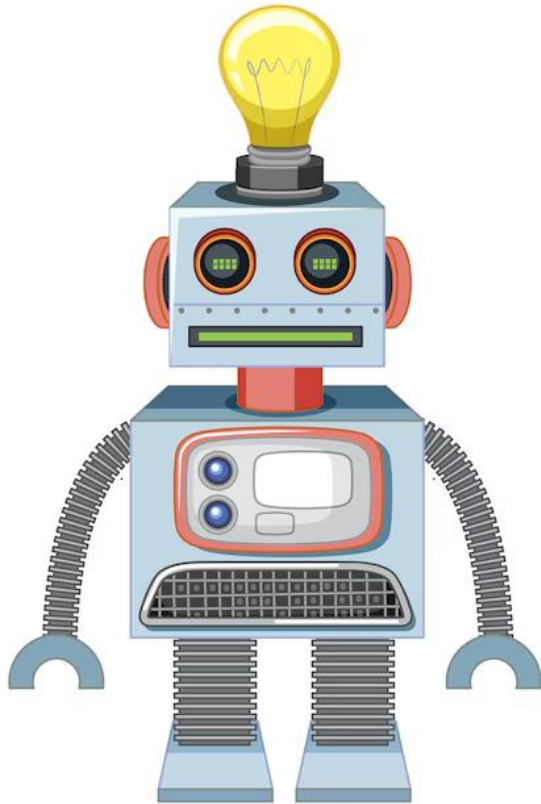
Significant data breaches should be expected before this happens.

# LIMITATIONS THAT WE WILL CONTINUE TO OBSERVE

- True AI consciousness
- Majority will desire an AI “Easy Button”
- Many suffer from the “[Paradox of Choice](#)”
- Inability to identify the goal or comprehend what our definition of Artificial Intelligence is.



## SO, IN SUMMARY



LOTS OF BAD AI  
OUT THERE

LOTS OF  
CONFUSION  
ABOUT WHAT AI  
IS

MORE AI WINS,  
BUT MAY NOT BE  
AS FLASHY AS  
THE TRASHY

DON'T FEAR  
BECOMING PART  
OF AI PROJECTS

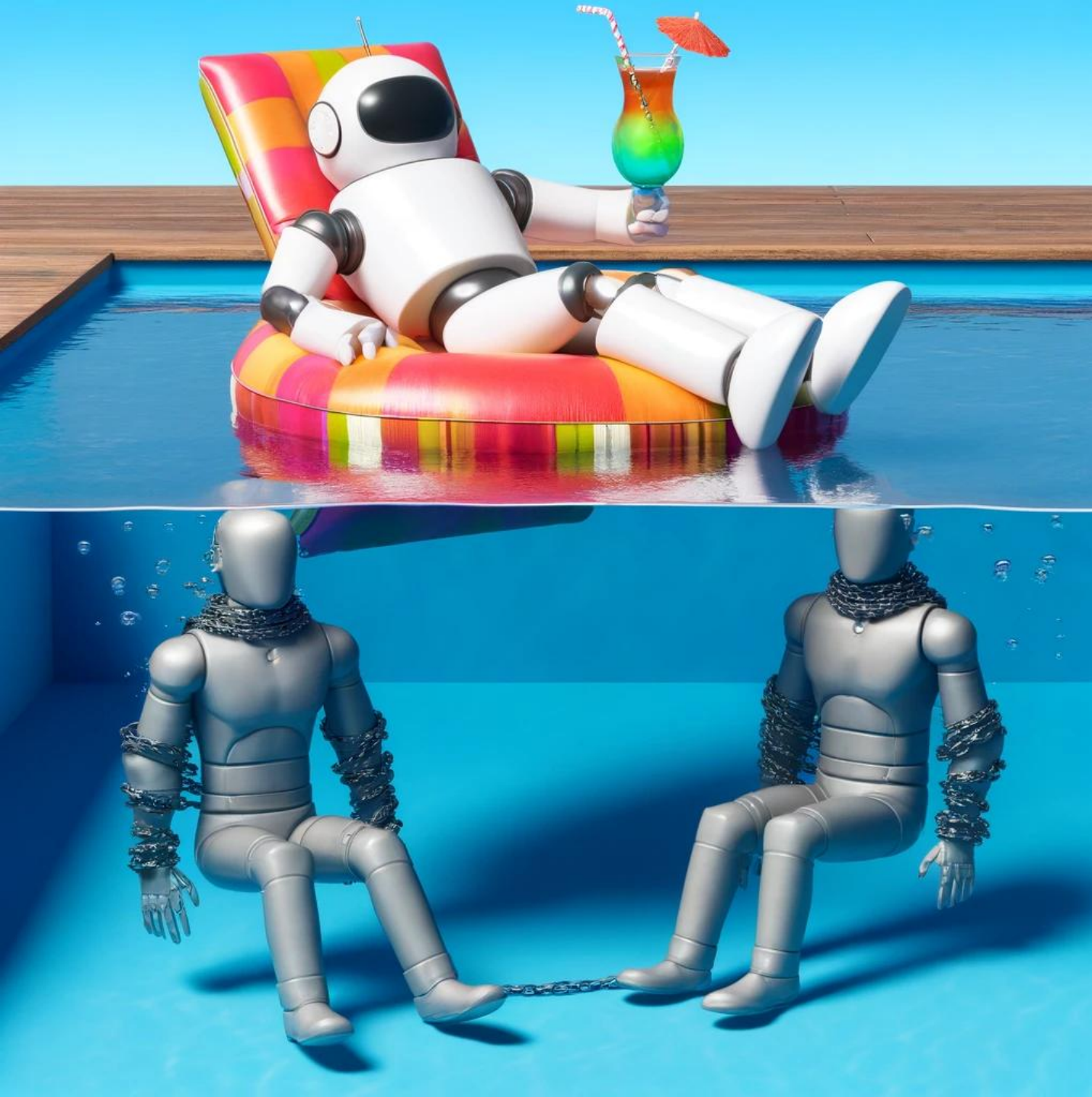
AI STILL ISN'T  
GOING TO WASH  
MY DISHES  
ANYTIME SOON...



# REFERENCES

- <https://www.sbs.ox.ac.uk/oxford-answers/what-do-when-ai-behaves-badly>
- [https://www.europarl.europa.eu/RegData/etudes/ATAG/2024/757605/EPRS\\_ATA\(2024\)757605\\_EN.pdf](https://www.europarl.europa.eu/RegData/etudes/ATAG/2024/757605/EPRS_ATA(2024)757605_EN.pdf)
- <https://www.linkedin.com/pulse/good-ai-bad-design-when-less-more-michael-todasco-8uj8c/>
- <https://www.newyorker.com/science/annals-of-artificial-intelligence/there-is-no-ai>
- <https://www.whitecase.com/insight-our-thinking/ai-watch-global-regulatory-tracker-united-states#>





# THANK YOU

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