


Dangers of AI


Mohammad Tariq Hussain



Sparks of Artificial General Intelligence: Early experiments with GPT-4

[Sébastien Bubeck](#), [Varun Chandrasekaran](#), [Ronen Eldan](#), [Johannes Gehrke](#), [Eric Horvitz](#), [Ece K](#)
Scott Lundberg, [Harsha Nori](#), [Hamid Palangi](#), [Marco Tulio Ribeiro](#), [Yi Zhang](#)
March 2023

 Cornell University

 > cs > arXiv:2302.02083

Computer Science > Computation and Language

[Submitted on 4 Feb 2023 (v1), last revised 29 Aug 2023 (this version, v4)]

Theory of Mind Might Have Spontaneously Emerged in Large Language Models

[Michal Kosinski](#)

Elon Musk and others urge AI pause, citing 'risks to society'

By [Jyoti Narayan](#), [Krystal Hu](#), [Martin Coulter](#) and [Supant](#)
April 5, 2023 8:22 PM GMT+8 · Updated 6 months ago

  TECHNOLOGY 

June 28, 2023 10:27 PM
Agence France-Presse

'Godfather of AI' Urges Governments to Stop Machine Takeover

Sparks of Art

[Sébastien Bubeck](#), Varun Ch
Scott Lundberg, [Harsha Nor](#)
March 2023

ChatGPT can now see, hear, and speak

We are beginning to roll out new voice and image capabilities in ChatGPT. They offer a new, more intuitive type of interface by allowing you to have a voice conversation or show ChatGPT what you're talking about.



Elon citing

By Jyoti Nar
April 5, 2023

We gratef

language Models



ents to

Dangers of AI - According to AI

Ethical Issues

- Lack of transparency
- Bias & Discrimination
- Privacy Concerns

Impact on Society

- Job Displacement
- Social Manipulation

Impact on Humans

- Danger to Humans
- Risk of Extinction

Ethical Issues

Lack of Transparency

- Black box
- Training Data
- Hallucinations

Bias & Discrimination

- Perpetuate Biases
- Unfair Treatment
- Decisions affecting people's lives

Privacy Concerns

- Personal Data
- Privacy Breaches
- Lack of Consent

Job Displacement



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

Aaron Mok and Jacob Zinkula Updated Sep 4, 2023, 10:24 PM GMT+8



Graphic designers

Accountants

Customer service
agents

Market research
analysts

Media jobs (advertising, content
creation, technical writing, journalism)

Finance jobs (Financial analysts,
personal financial advisors)

Job Displacement

ChatGPT passes exams from law and business schools

By Samantha Murphy

Updated 1:35 PM EST



ChatGPT Beats Doctors in Compassion and Quality of Advice to Patients

Will AI Replace Lawyers?



Niels Martin Brochner Forbes Councils Member
Forbes Technology Council

COUNCIL POST | Membership (Fee-Based)

May 25, 2023, 07:15am EDT

When LLMs Code: Is there a Future for Human Software Engineers?



Martin Treiber

CTO keyper, computer scientist and part-time farmer.

Published Sep 21, 2023

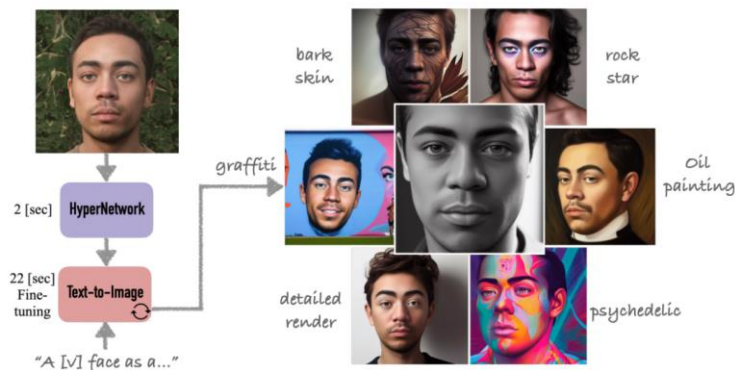
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Social Manipulation

HyperDreamBooth: HyperNetworks for Fast Personalization of Text-to-Image Models

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[Yael Pritch](#) [Neal Wadhwa](#) [Michael Rubinstein](#) [Kfir Aberman](#)

Google Research



ARTIFICIAL INTELLIGENCE

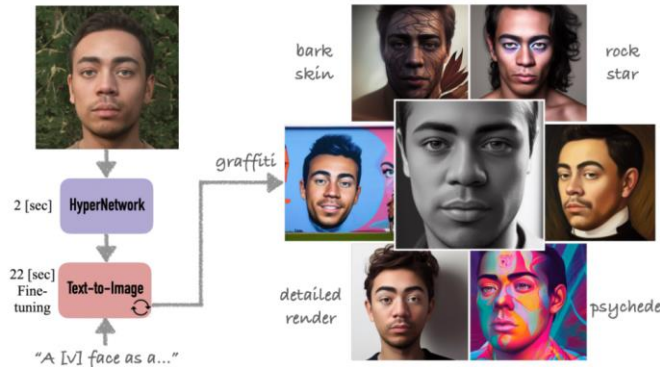
Microsoft shaves voice cloning time down to 3 seconds

Social Manipulation

HyperDreamBooth: HyperNetworks for Fast Personalization of Text-to-Image Models

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[Yael Pritch](#) [Neal Wadhwa](#) [Michael Rubinstein](#) [Kfir Aberman](#)

Google Research



ARTIFICIAL INTELLIGENCE

Microsoft shaves voice cloning time down to 3 seconds

The Washington Post
Democracy Dies in Darkness

They thought loved ones were calling for help. It was an AI scam.

Scammers are using artificial intelligence to sound more like family members in distress. People are falling for it and losing thousands of dollars.

MIT Technology Review

SUBSCRIBE



ARTIFICIAL INTELLIGENCE

A Cambridge Analytica-style scandal for AI is coming

Impact on Humanity



Munk Debate on AI



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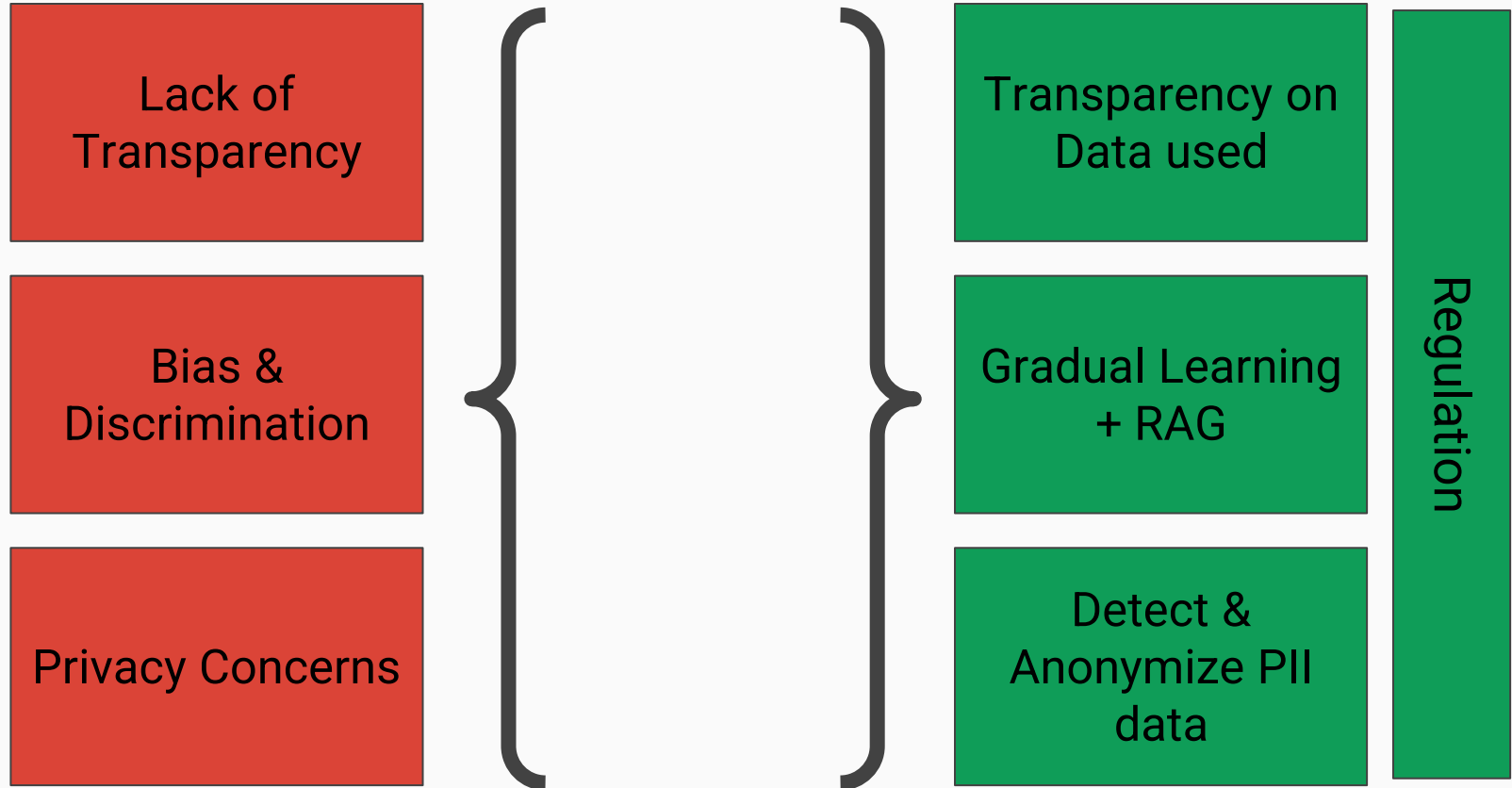


Policy-Relevant Science & Technology

PROPOSITION "AI research and development poses an existential threat." SUMMARY With the debut of ChatGPT, the AI once ...

AI Reality

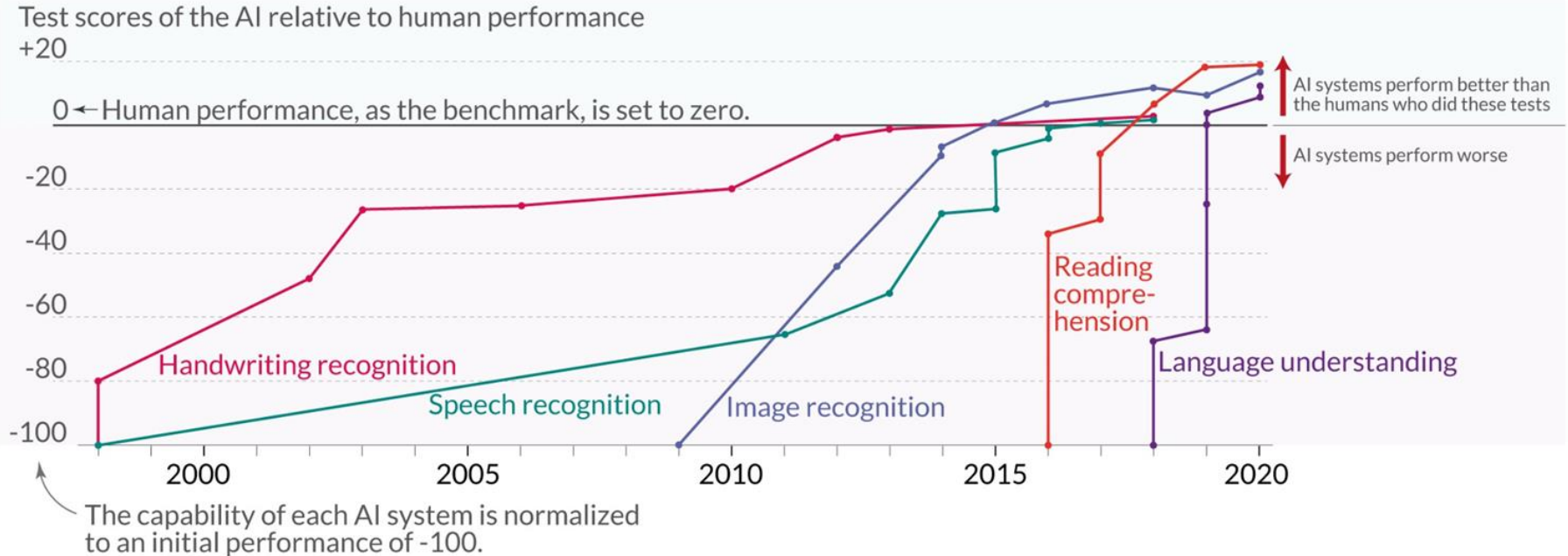
Ethical Issues - Solution



Jobs Displacement - Reality

Language and image recognition capabilities of AI systems have improved rapidly

Our World
in Data



Code Generation - Phi 1.5

Prompt:

```
"""I have a redis flask time series. Can you write a flask function to plot the number request."""
```

```
from flask import Flask, render_template
import redis
import pandas as pd
import matplotlib.pyplot as plt

app = Flask(__name__)

@app.route('/')
def index():
    # Connect to Redis
    r = redis.Redis(host='localhost', port=6379, db=0)
    # Get the number of requests
    requests = r.get('requests')
    # Convert the Redis data to a pandas DataFrame
    df = pd.DataFrame(requests.decode().split('\n'), columns=['requests'])
    # Plot the number of requests
    plt.plot(df['requests'])
    plt.title('Number of Requests')
    plt.xlabel('Time')
    plt.ylabel('Number of Requests')
    plt.show()
    return render_template('index.html')

if __name__ == '__main__':
    app.run(debug=True)
```

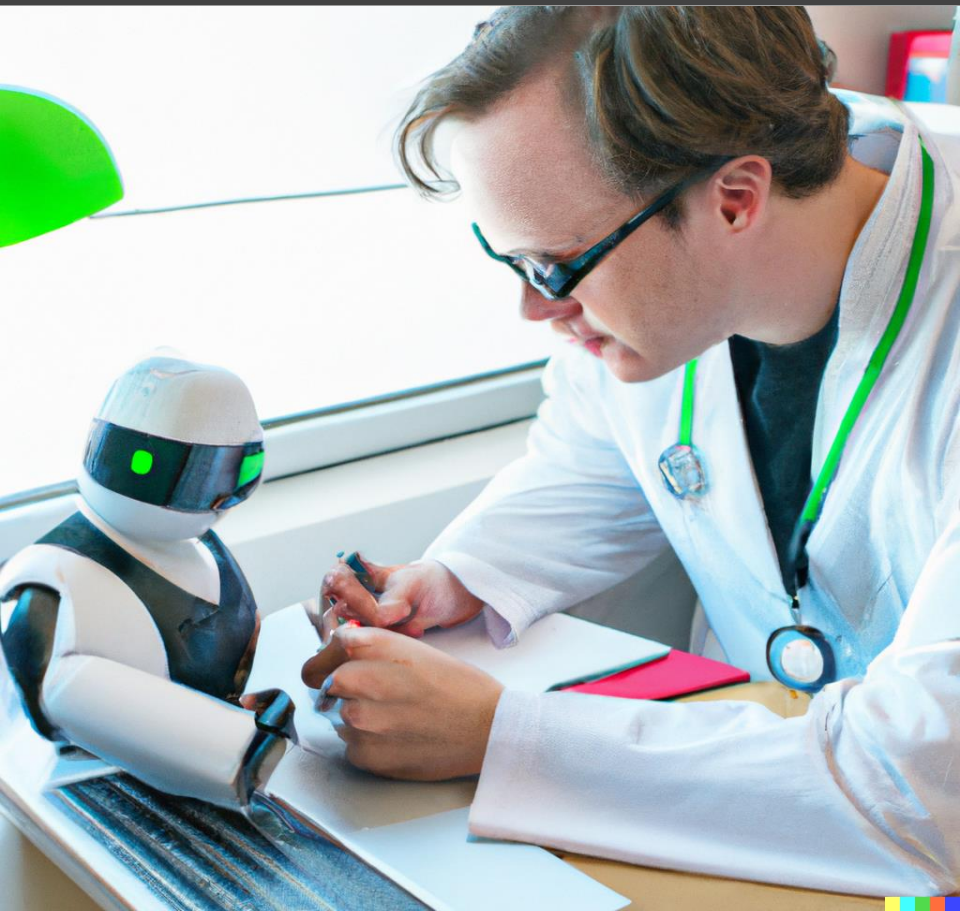
arXiv > cs > arXiv:2306.11644

Computer Science > Computation and Language

[Submitted on 20 Jun 2023]

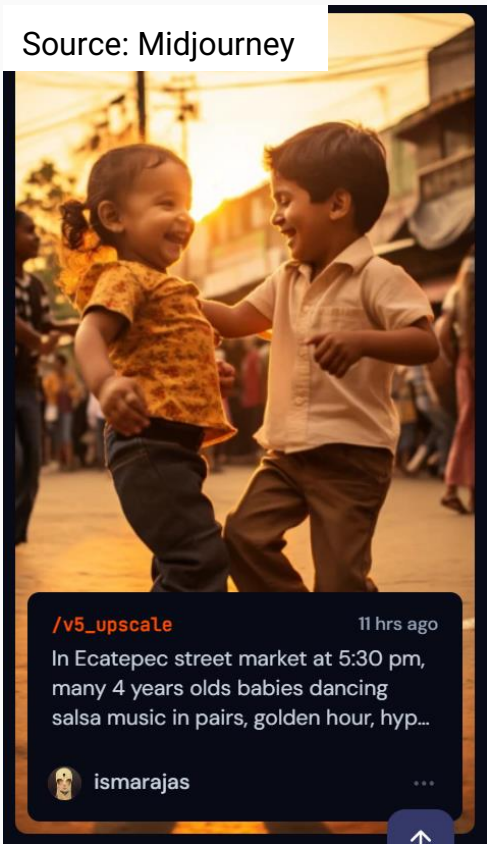
Textbooks Are All You Need

Other Professions



Content Generation

Source: Midjourney



StyleDrop (Google)



"A baby penguin in [V] style"

"A banana in [V] style"

"A bench in [V] style"

"A boat in [V] style"



"A butterfly in [V] style"

"An f1 race car in [V] style"

"A christmas tree in [V] style"

"A cow in [V] style"



"A coffee maker in [V] style"

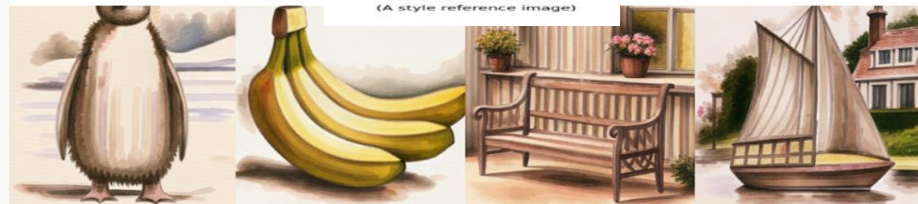
"A hat in [V] style"

"A moose in [V] style"

"A piano in [V] style"



"A house in [V] style"
(A style reference image)



"A baby penguin in [V] style"

"A banana in [V] style"

"A bench in [V] style"

"A boat in [V] style"



"A butterfly in [V] style"

"An f1 race car in [V] style"

"A christmas tree in [V] style"

"A cow in [V] style"



"A coffee maker in [V] style"

"A hat in [V] style"

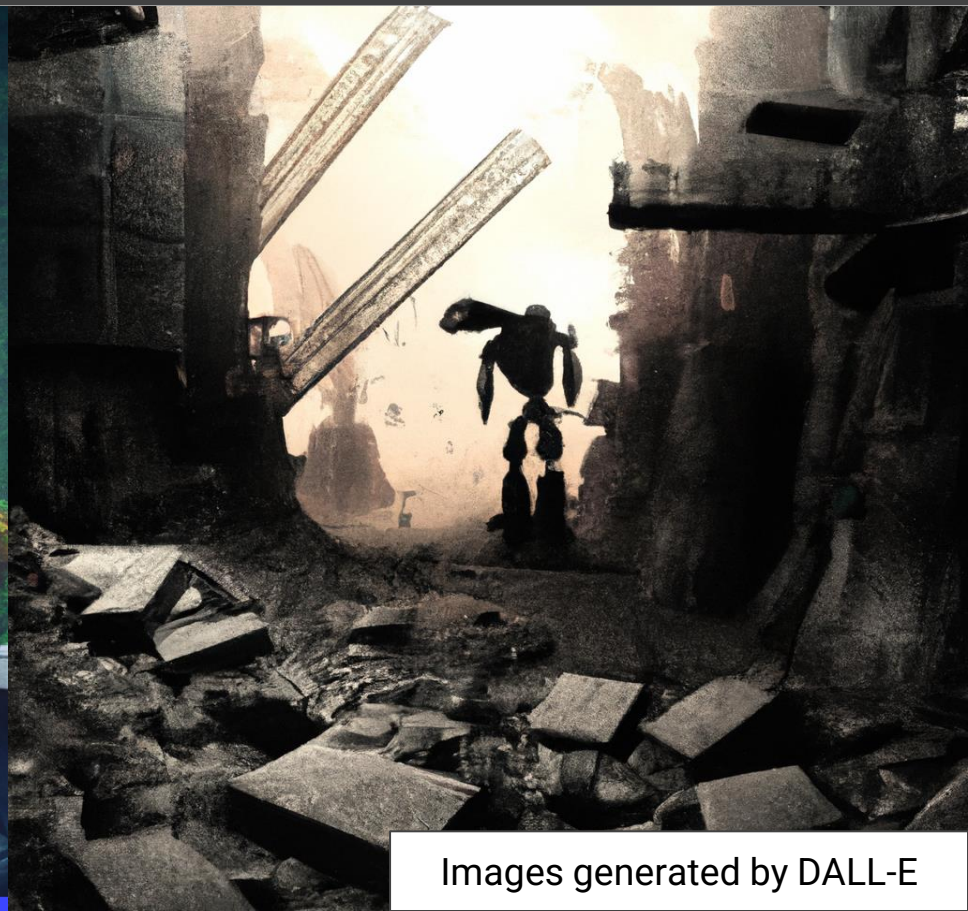
"A moose in [V] style"

"A piano in [V] style"

Teaching & Learning



Future



Images generated by DALL-E