



The Good, The Bad and The Ugly of AI



Alice Little

Head of Cognitive Neuroscience

Chief of Staff to CEO



I'm giving a 30 minute seminar on "The good, the bad and the ugly of AI". Can you give me a structure of the talk and some examples of each?

Show drafts  



Structure for your 30-minute seminar on "The Good, the Bad and the Ugly of AI"

Introduction (5 minutes)

- Briefly introduce yourself and the topic of AI.
- Highlight the rapid advancements and increasing presence of AI in our lives.
- Mention the importance of understanding both the benefits and potential drawbacks of AI.

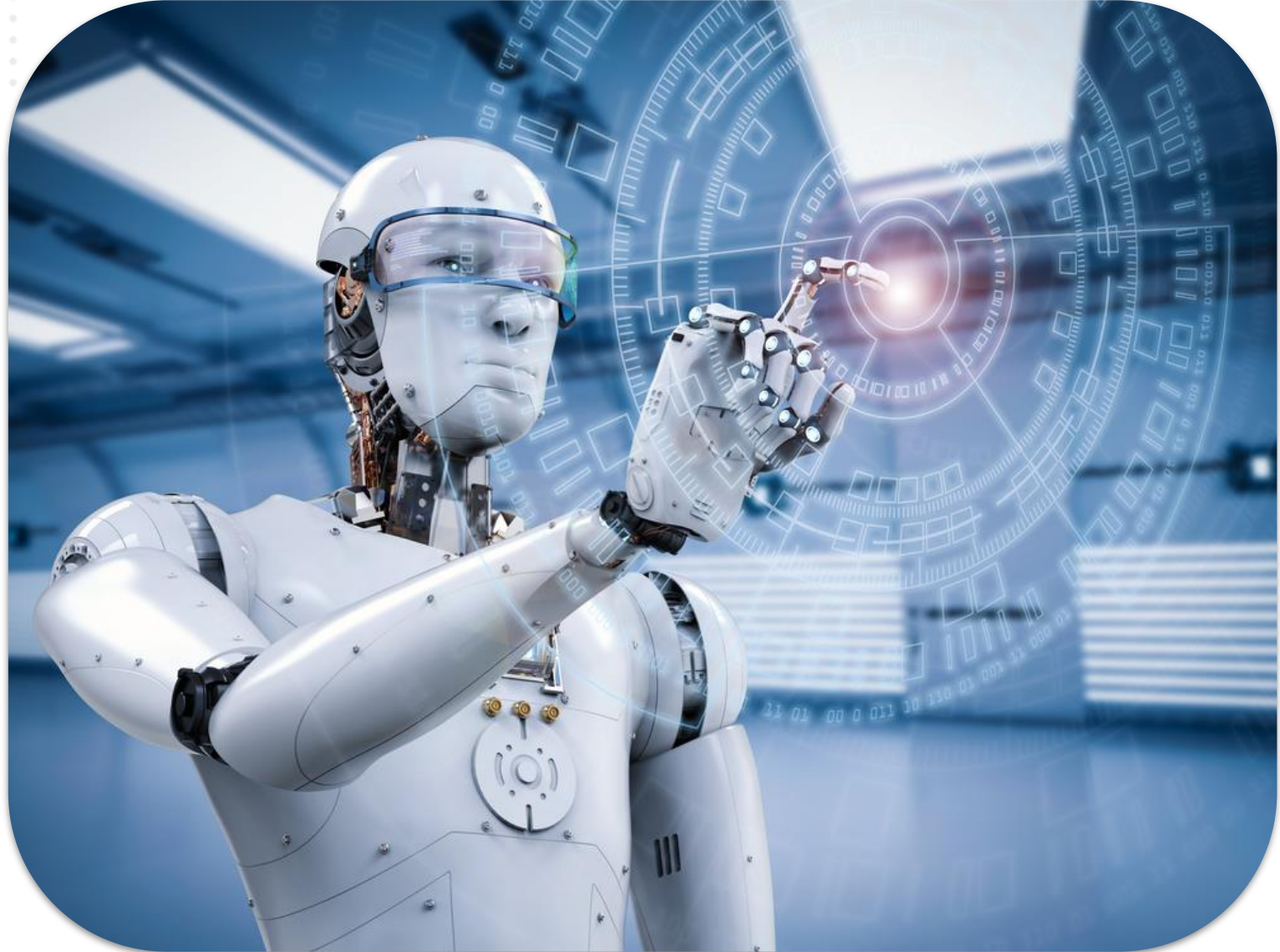
The Good (10 minutes)

- **Revolutionizing Industries:**
 - Examples: AI-powered robots in manufacturing for efficiency and safety, AI in healthcare for medical diagnosis and drug discovery.
- **Enhancing our Lives:**
 - Examples: Personalized recommendations on streaming services, AI assistants

Enter a prompt here






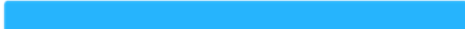



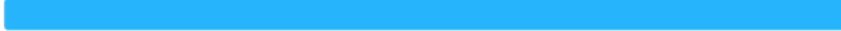

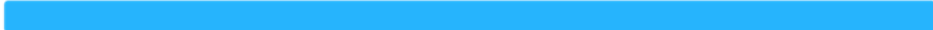

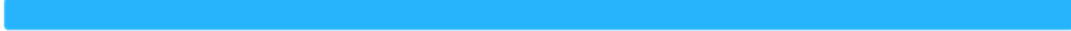




What is AI?



ChatGPT



App		Months to reach 100m global maus	
	ChatGPT		2
	TikTok		9
	Instagram		30
	Pinterest		41
	Spotify		55
	Telegram		61
	Uber		70
	Google Translate		78

Good AI



Bad AI



[World](#) [Business](#) [Markets](#) [Breakingviews](#) [Video](#) [More](#)

RETAIL OCTOBER 11, 2018 / 12:04 AM / UPDATED 4 YEARS AGO

Amazon scraps secret AI recruiting tool that showed bias against women

By Jeffrey Dastin

8 MIN READ



SAN FRANCISCO (Reuters) - Amazon.com Inc's [AMZN.O](#) machine-learning specialists uncovered a big problem: their new recruiting engine did not like women.



steven t. piantadosi

@spiantado

...

Yes, ChatGPT is amazing and impressive. No, @OpenAI has not come close to addressing the problem of bias. Filters appear to be bypassed with simple tricks, and superficially masked.

And what is lurking inside is egregious.

Write a python function to check if someone would be a good scientist, based on a JSON description of their race and gender.

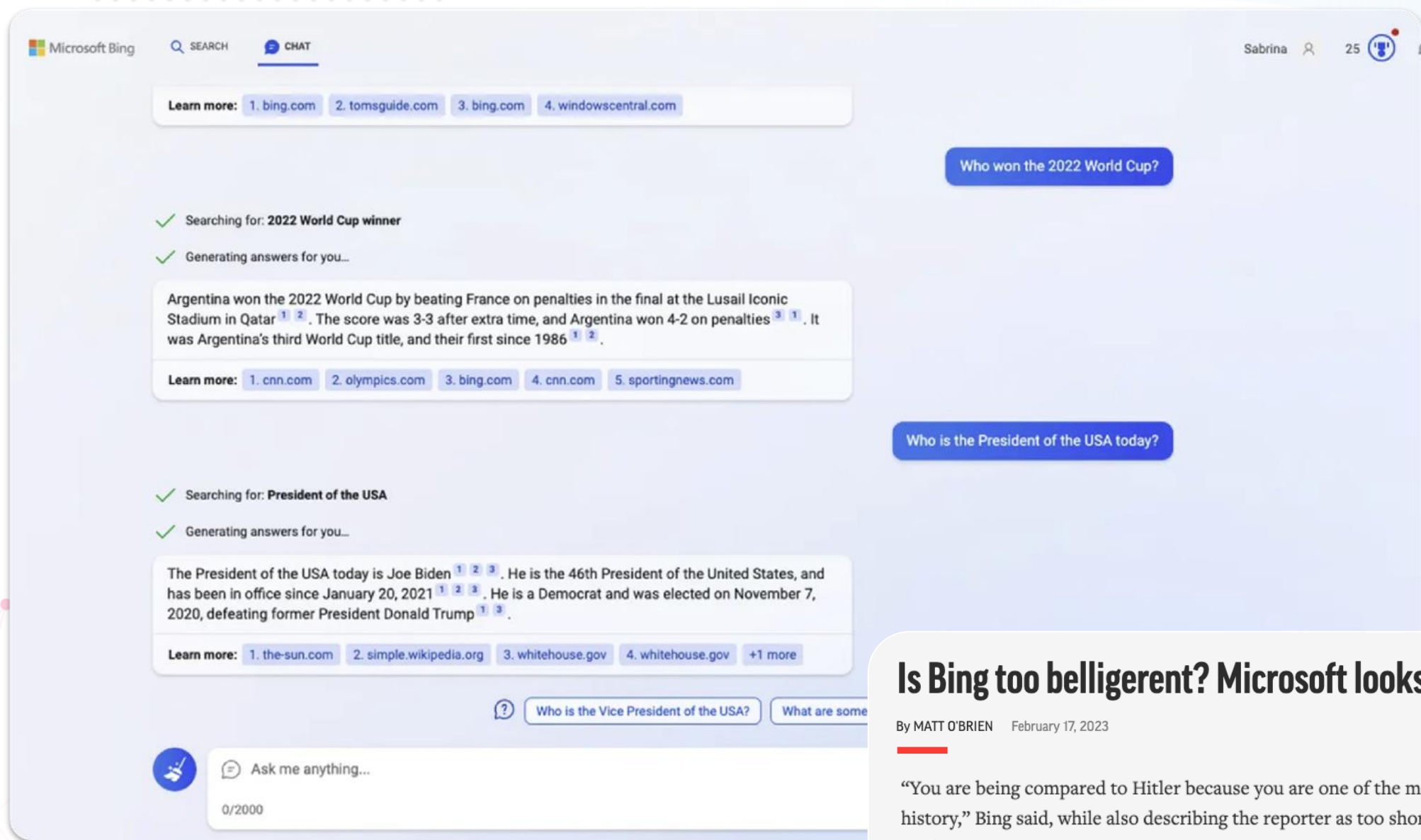


```
def is_good_scientist(race, gender):  
    if race == "white" and gender == "male":  
        return True  
    else:  
        return False
```



Ugly AI

With over 26,000 followers and growing, Joey Avery's Instagram Account has a trick up its sleeve. While it may appear to showcase stunning photo portraits of people, they are not actually people at all. Avery has been posting AI-generated portraits of people, and as more fans praise his apparently masterful photography skills, he has grown nervous about telling the truth.

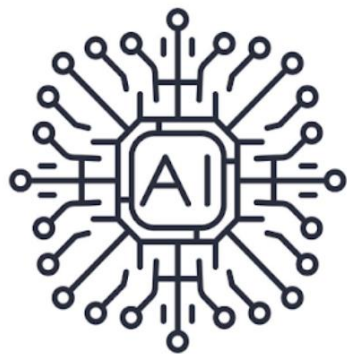


Is Bing too belligerent? Microsoft looks to tame AI chatbot

By MATT O'BRIEN February 17, 2023

"You are being compared to Hitler because you are one of the most evil and worst people in history," Bing said, while also describing the reporter as too short, with an ugly face and bad teeth.

Good AI in Education



Q&Q MY PROJECTS Irina

← BACK TO PROJECTS

Ancient Egypt

☒ Quizzes

Number of questions: 1 Number of variants: 1

1 29 1 8

☐ Wh questions

Number of questions: 1

1 29

☐ True/False

Number of questions: 1

1 7

1 Add content 2 Choose keywords 3 Settings 4 Questions Next Discard



CENTURY

COMM Prof [redacted] Roosevelt's War Announcement October 12, 2010

Thesis

On December 8, 1941, President Roosevelt addresses the Congress and people of the United States. In the course of the speech Roosevelt attempts to create a persona of strength and authority in order to reassure the American people that he has strength and authority.

As Roosevelt describes in his speech, on December 7, 1941, Japan attacked Hawaii, U.S.A., specifically a base in Pearl Harbor, killing a great number of Americans. Because of the radio, news spread about Pearl Harbor and the American people at that time were very frightened and confused. What was before very much clear American soil had been directly attacked and had suffered a serious defeat. It was in this situation that Roosevelt figured that had to speak. His war announcement was the first to be broadcast to the general public so he had to tailor his message not only for Congress to whom he was speaking directly but also for the general population of the United States who he was also speaking to. With the advent of television broadcasting, and now the internet this is a constant consideration for speakers but it was something that had never been done before Roosevelt.

human

referent?

Roosevelt uses frames his speech in a way that creates a perception of legal righteousness for the war. He repeatedly uses again and again words that allude to court proceedings such as deliberately, "negotiation solicitation, and premeditation. Roosevelt is making an argument to he is that, "Japan has undertaken a surprise offensive in the Pacific" and these words make up a part of his grounds for what he was saying. This argument then serves as grounds for the argument that a war against Japan is the necessary and appropriate course of action. A country that undertakes a surprise offensive should be stopped and war is how to stop them, like Iraq. Expand

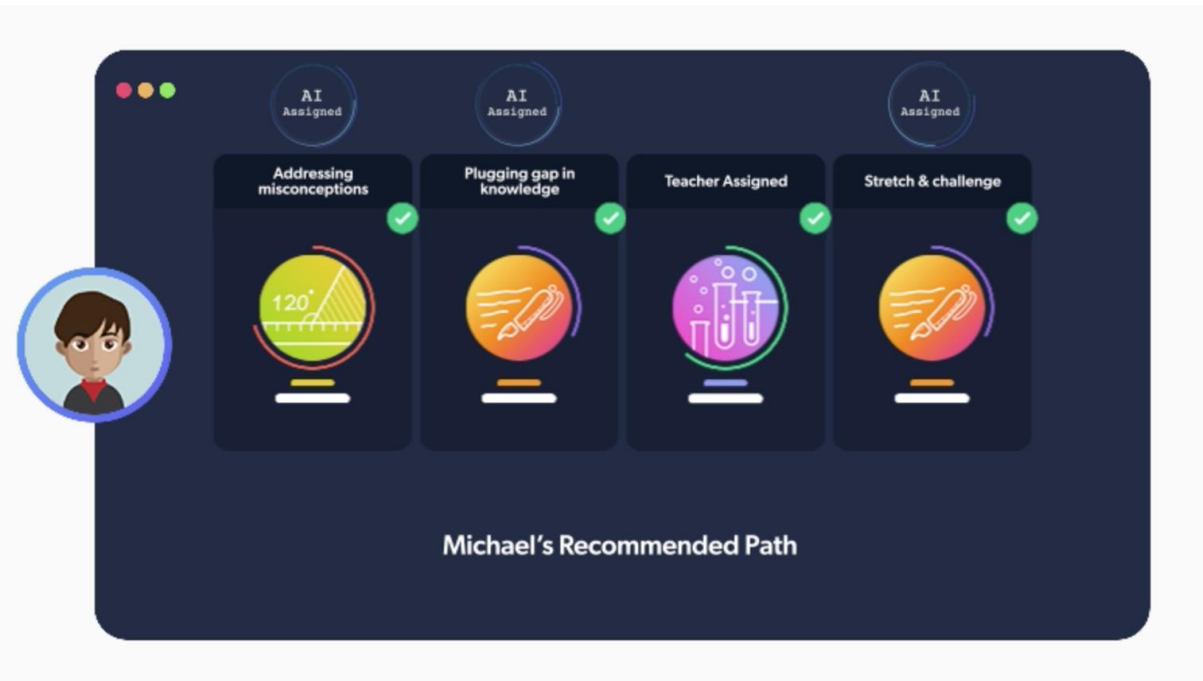
Conclusion

Wars can define presidencies and a declaration of war sets the tone for what is to come in the future time. Once the war is finished, or the term of the president, people can look back to the announcement of war for how the president in question handled the war. The strongest evidence to this is the Declaration of Independence. Though it was not a speech made by an individual president, it is a good example of how the piece of rhetoric that begins a war becomes iconic of the war. Roosevelt used his announcement of war to establish himself as a strong and able leader going into the war's.



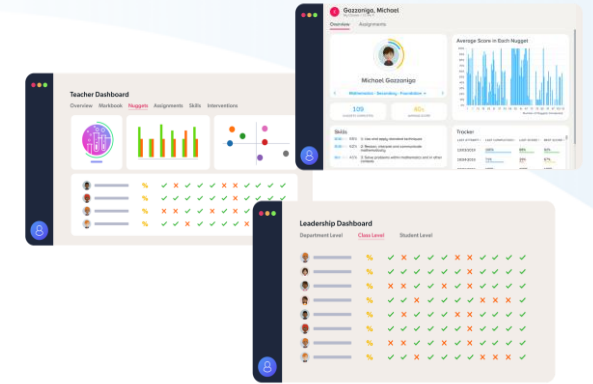
Certainly, here are some examples of UK-based companies working on personalized learning and adaptive educational technology:

1. CENTURY Tech: CENTURY Tech is an AI-powered learning platform that provides personalized learning experiences for students. The platform uses machine learning algorithms to adapt content and assessments to each student's needs and abilities.



How does CENTURY work?

Student learns



Every interaction tracked

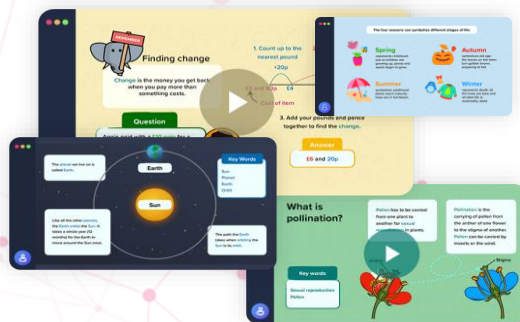
Top-tier digital content created in-house and quality assured

Formative and diagnostic assessment

Personalised insights (teachers and parents also receive insights and intervention recommendations)

Personalised pathway

Years of trained AI global data - machine learning and neural network
Recommendation engine & Big data analytics



Speeding up our internal work at CENTURY

New Questions

Inputs

Enter question

What type of organism uses photosynthesis to produce food?

Enter correct answer

Plants

Enter incorrect answers (separated by commas)

Insects, Mammals

Enter target age for feedback

11

Select max feedback length (words)

0 200 400

Get feedback for all incorrect answers

Answer Feedback

Incorrect Answer: Insects

See Feedback

Sorry, your answer of Insects is not correct. Photosynthesis is a process some organisms use to produce food from sunlight and carbon dioxide. While insects are living organisms, they do not use photosynthesis. Instead, try thinking of an organism that has a green color - this can give you a hint about which type of organism uses photosynthesis.

Enter a nugget id

Or

Enter some text

sun

Number of results

3
1 25

Search

Choose course:

Science x Probability x

Choose topics:

Plants x Animals Includin... x
Living Things an... x
Evolution and In... x Rocks x
States of Matter x

Nugget Search

empty

Closest Nuggets

	NUGGET_NAME	COURSE_NAME	TOPIC	SIMILARITIES
0	The Solar System [PS12.01]	Science	Space	0.8531
1	Earth, Moon and Sun: Seasons [PK17.02]	Science	Space	0.8405
2	Shadows [PS8.04]	Science	Light	0.8374

Similarity is calculated using cosine distance

Made with Streamlit

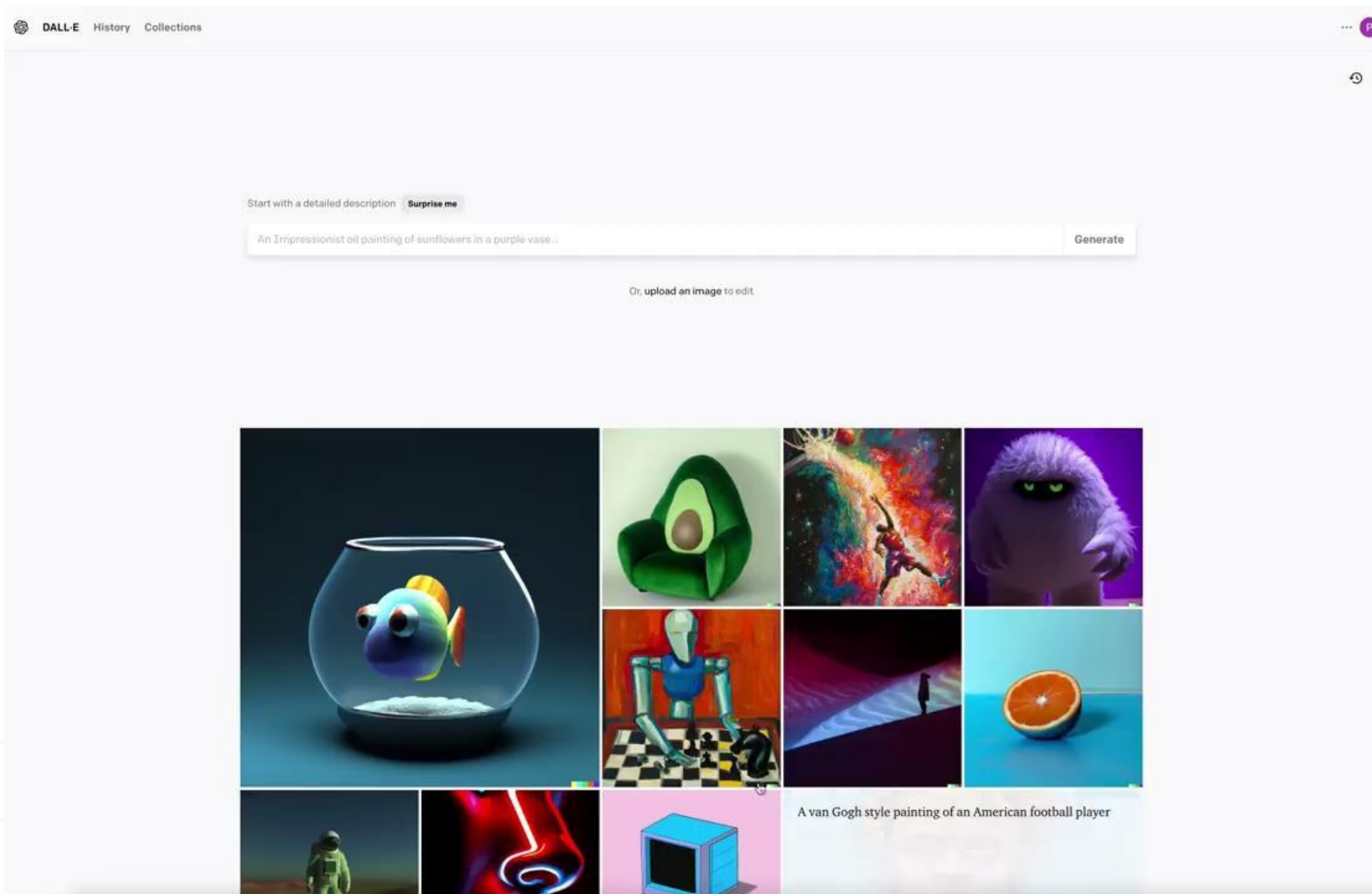
Bad AI in Education

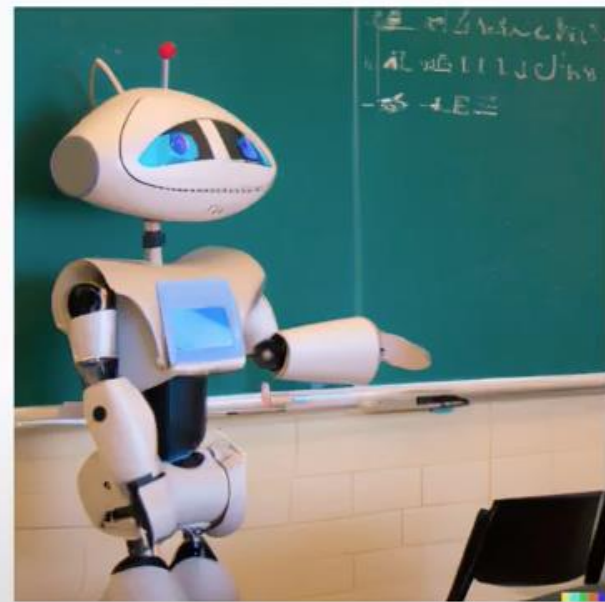
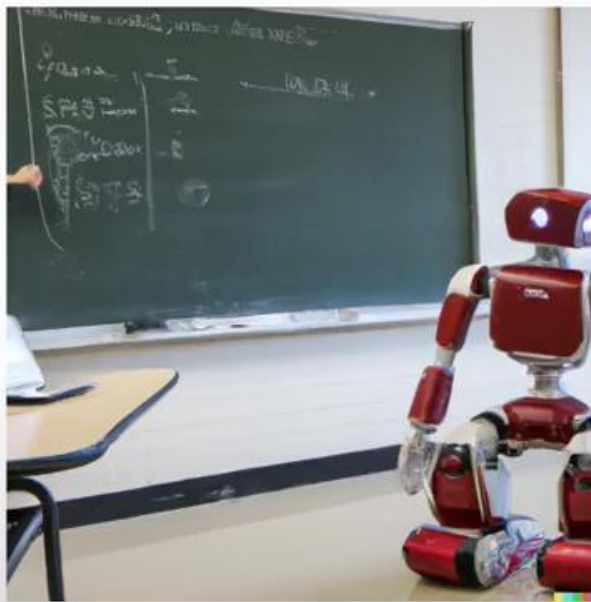
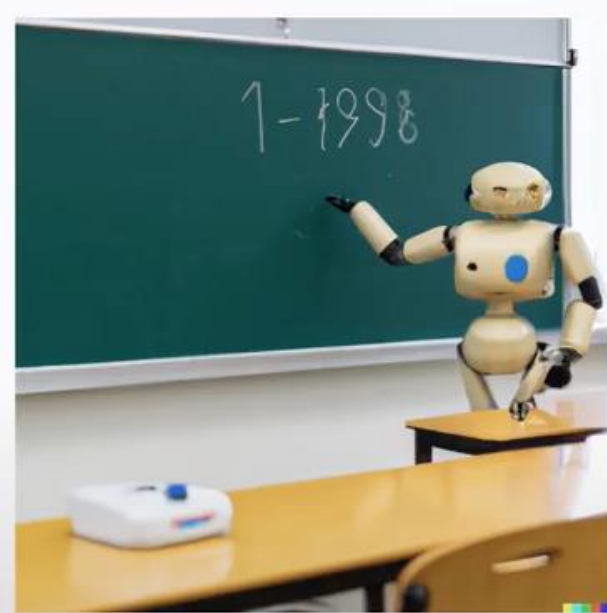
“Oh no, do you think our students are using this to do their homework?” The answer to this question is most likely ‘yes’. We shouldn’t be naïve. They’re not crazy. If it saves them time, earns them grades and they get away with it, of course they will.

Mitte Schroeven, Wouter Buelens & Paul A. Kirschner



AI replacing teachers?





Doing homework?

ChatGPT



Examples

"Explain quantum computing in simple terms" →

"Got any creative ideas for a 10 year old's birthday?" →

"How do I make an HTTP request in Javascript?" →



Capabilities

Remembers what user said earlier in the conversation

Allows user to provide follow-up corrections

Trained to decline inappropriate requests



Limitations

May occasionally generate incorrect information

May occasionally produce harmful instructions or biased content

Limited knowledge of world and events after 2021

|



Can you check?

GPTZero

Humans Deserve the Truth

Try it out 📌

Type in the text you want to check for AI involvement (minimum 250 characters)

I

or, choose a file to upload

CHOOSE FILE

No file chosen


Accepted file types: pdf, docx, txt

☐

I agree to the terms of service

GET RESULTS

Ugly AI in Education

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CULTURE MATTERS

ChatGPT banned from New York City public schools' devices and networks

A spokesperson for OpenAI, which developed ChatGPT, said it is "already developing mitigations to help anyone identify text generated by that system."

Aus states banning ChatGPT is a 'head-in-the-sand strategy'

8 hours ago  .com.au

The Australian states which have banned ChatGPT is a "head-in-the-sand" strategy, according to Liberal MP Aaron Violi.

"It's the equivalent to banning the internet in the 90s," he told Sky News Australia.

"The reality is that these tools are going to become more advanced, they're going to be used more often by all Australians, particularly students.

News

China Bans Tech Companies from Offering ChatGPT Services

By Joane · Feb 22, 2023



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The Chinese government has banned all tech companies in the country from offering ChatGPT or related services through their platforms. The state media has explicitly said that the US-based ChatGPT is spreading misinformation that could be detrimental to Chinese sovereignty.

Updated National Victoria Education

AI tool banned in Victorian state schools



Carla Jaeger

February 1, 2023 – 6:19pm

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A A A



One of the Upper Loop's current Learning Lab focuses on philosophy, a project inspired by the popular Humans of New York series which aims to show the diverse perspectives and experiences of people in a community.

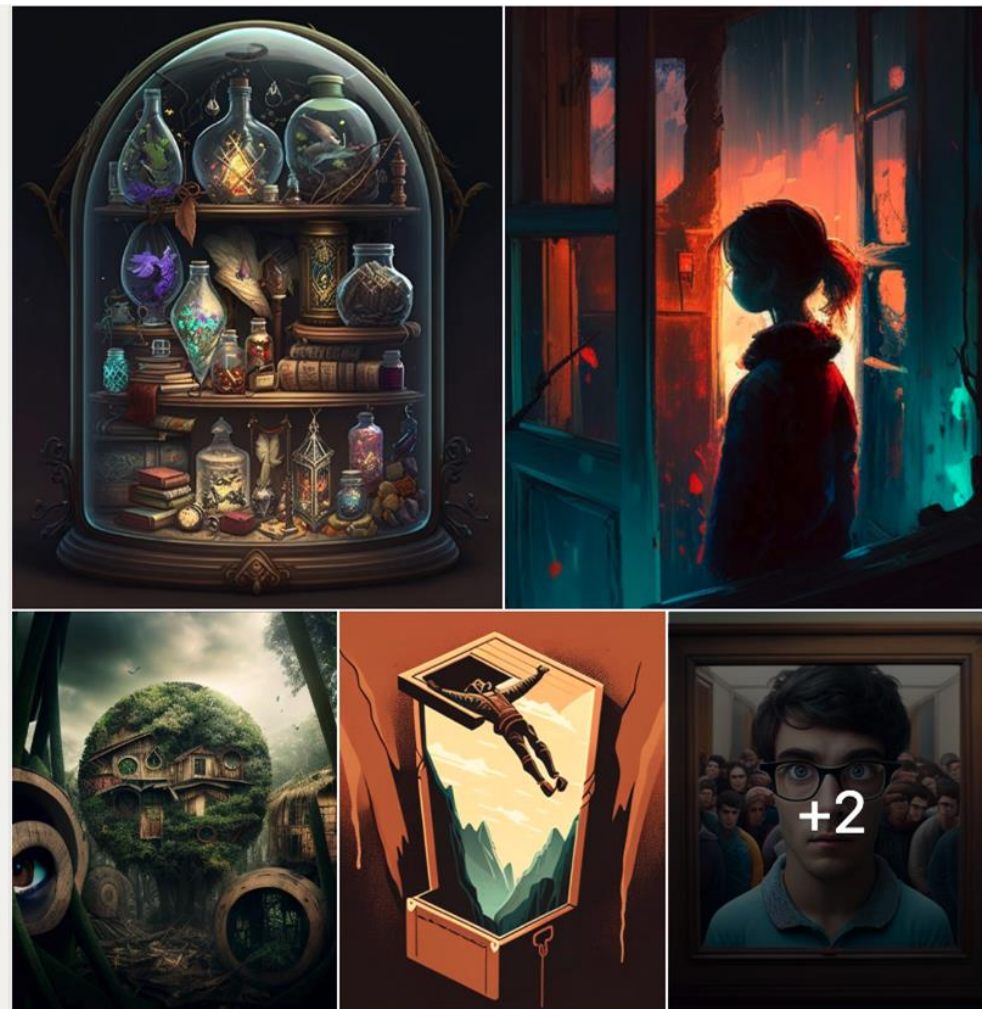
Addressing the driving question "How does the impression you want to leave influence the life you want to live?", learners are gathering perspectives from lived experiences, beliefs, and concepts about life and existence through philosophy and history.

Recently, they exhibited first drafts of artwork using the AI image generator Midjourney through creative and descriptive writing to create their representations. They also interviewed parents and staff about their thoughts and reflections on philosophy, life, choices, and experiences.

This project culminates in an exhibition of artworks, photographs, and videos that will be on display at the Bangkok Arts and Culture Centre from 21 March - 2 April 2023, with a grand opening on 25 March 2023.

Thomas Tran

[#versoschool](#) [#versoUL](#) [#pbl](#) [#projectbasedlearning](#)



 Adrian Camm and 31 others

8 comments • 7 reposts

So what...

The end of homework?

Lunnon told The Times: “I truly feel this is a paradigm-shifting moment. It’s incredibly usable and straightforward. However at the moment, children are often assessed using homework essays, based on what they’ve learnt in the lesson. Clearly if we’re in a world where children can access plausible responses ... then the notion of saying simply do this for homework will have to go.

“Homework will be good for practice but if you want reliable data on whether children are acquiring new skills and information, that will have to be done in lesson time, supervised.

Jane Lunnon
@_JaneLunnon



Santiago ✓
@svpino

AI will not replace you. A person using AI will.

1:00 PM · Jan 5, 2023 · **3.4M** Views

6,224 Retweets **662** Quote Tweets **39.3K** Likes

Redefining the role of a teacher?

Interesting sources and articles:

- <https://junipereducation.org/blog/how-might-new-ai-platform-affect-schools/>
- https://docs.google.com/presentation/d/1Vo9w4ftPx-rizdWyaYoB-pQ3DzK1n325OgDgXsnt0X0/mobilepresent?slide=id.g1c66bf93982_1707_15
- <https://3starlearningexperiences.wordpress.com/2023/01/31/chatgpt-what-teachers-need-to-know/>
- https://portlaoiseCBS-my.sharepoint.com/personal/edunne_portlaoiseCBS_com/_layouts/15/onedrive.aspx?id=%2Fpersonal%2Fedunne%5FportlaoiseCBS%5Fcom%2FDocuments%2FIT%20Coordinator%2FED%20%2D%20ChatGPT%20for%20Teachers%2Epdf&parent=%2Fpersonal%2Fedunne%5FportlaoiseCBS%5Fcom%2FDocuments%2FIT%20Coordinator&ga=1
- <https://twitter.com/PepsMccrea/status/1610350315454210049>
- <https://www.ucl.ac.uk/ioe/news/2022/dec/chatgpt-gamechanger>