

# AI as a Constant Companion







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Welcome to this exploration of AI's potential in higher education. We'll dive into the current state of AI technologies, discuss ethical considerations, and envision the future of education shaped by this transformative technology.

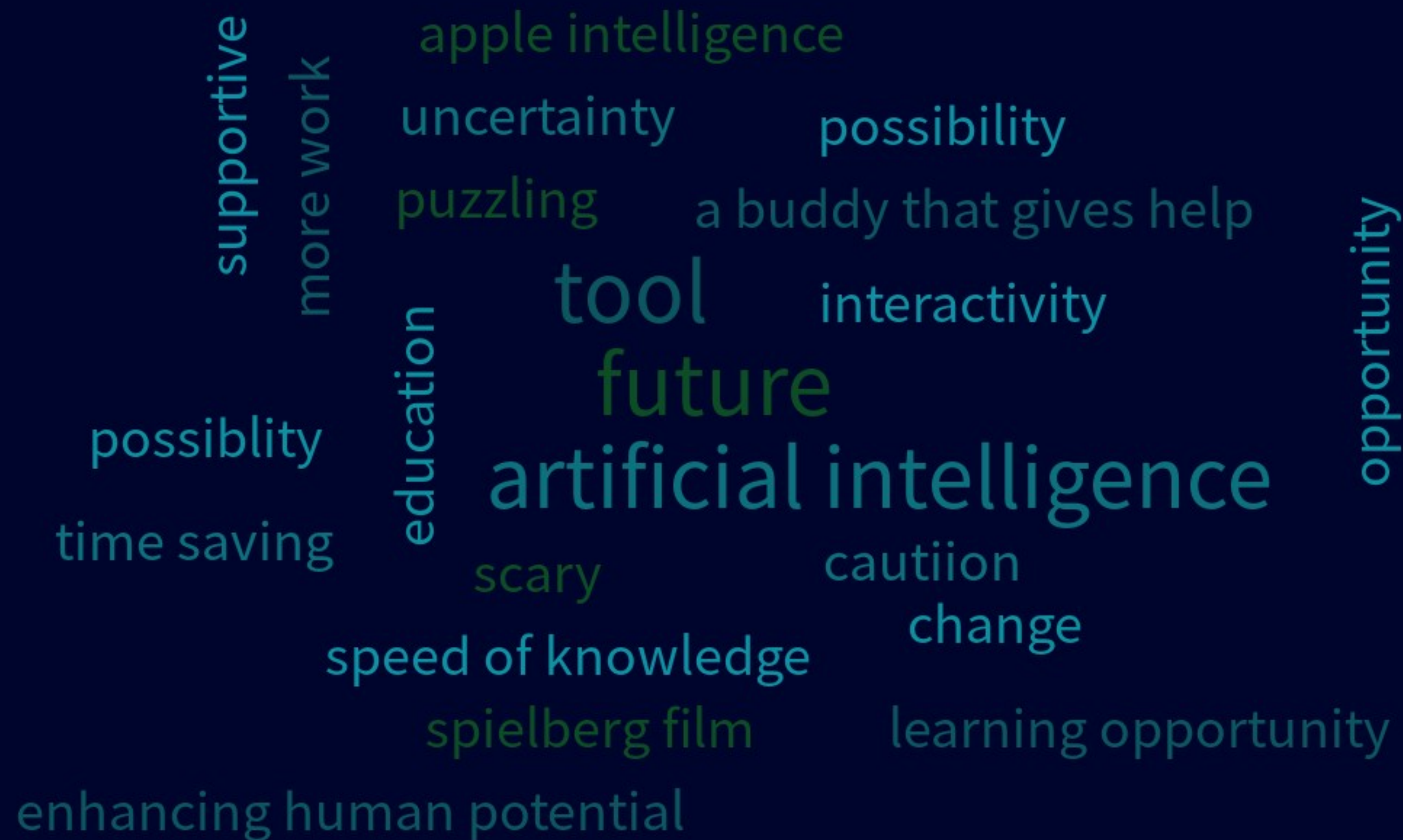
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University of Greenwich  
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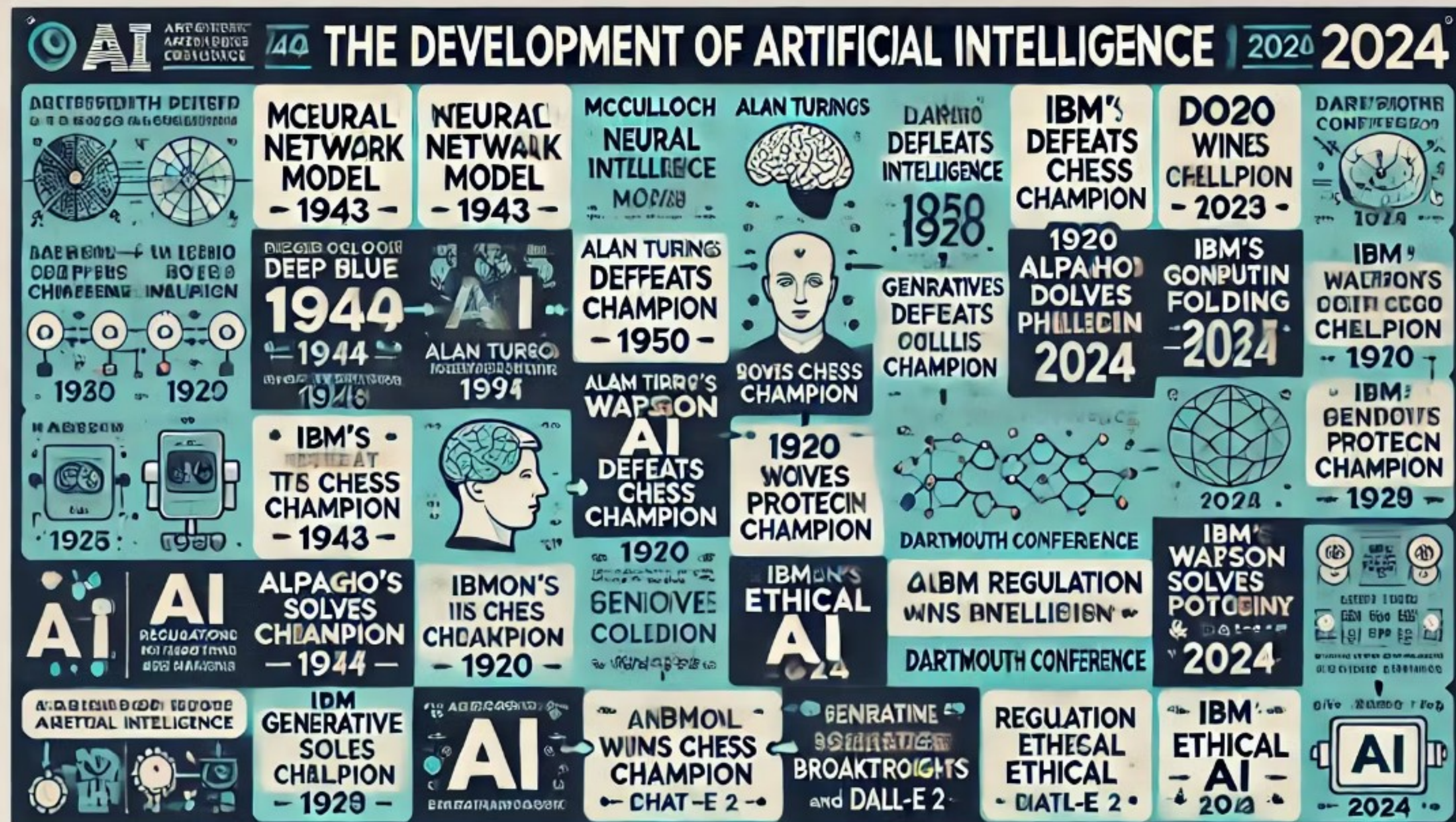


# What does AI mean to you?

25 responses







Timeline of AI?





# The Evolution of AI: A Timeline

**1943: McCulloch and Pitts' Model**

Neural network model for modern AI.

1

2

**1950: Turing's "Computing Machinery" Paper**

The Turing Test, a landmark in AI.

**1956: Dartmouth Summer Research Project**

"Artificial Intelligence" coined.

3

4

**1997: Deep Blue Wins**

IBM's chess AI defeated world champion Garry Kasparov.

**2011: Watson Wins Jeopardy!**

IBM's AI outperformed human champions on the game show.

5

6

**2016: AlphaGo Wins**

DeepMind's AI defeated the world champion in Go.

**2020: AlphaFold Success**

DeepMind's AI solved the protein folding challenge.

7

8

**2022: Generative AI**

Public availability of ChatGPT





(IBM, 2024)

# Types of AI

- Narrow AI - Focused on a specific task or data set e.g. Generative AI
- General AI - Able to apply learning to difference concepts (theoretical)
- Super AI - cognitive abilities and intelligence matching or surpassing humans (theoretical)



# How do you think AI will change education in the next 2 years?

32 responses





# How do you think AI will change our lives 5 years?

Healthcare: AI enhances diagnostics, predicts outcomes, and personalizes treatments, revolutionizing patient care.

3

Education: AI tools provide personalized learning, adapting to each student's needs and making education more accessible.

3.6

Workplace: AI automates routine tasks, boosting efficiency and allowing employees to focus on complex, creative work.

3.2

Transportation: AI optimizes routes and manages traffic, making transportation safer and more efficient with autonomous vehicles.

3.2

Smart Cities: AI integrates urban data to optimise services like energy, waste, and safety, improving urban quality of life.

3.4



# What AI Tools are you using in education?

24 responses







# What's Happening Now?

## DeepMind's AlphaFold

Generative AI to predict protein structures, massive breakthrough moment in biology and the data is available for use. <https://deepmind.google/technologies/alphafold/>

## Georgia Tech's Jill Watson

A believable Generative AI Teaching Assistant?

<https://pe.gatech.edu/blog/meet-jill-watson-georgia-techs-first-ai-teaching-assistant>

## Dimensions in Testimony (University of Southern California)

Holocaust survivors recorded testimony with natural language processing to create an interactive experience.

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<https://iwitness.usc.edu/dit/pinchas>





# How can we ensure ethical and inclusive use of AI in education?



# Shaping the future - Questions? Comments?

2 questions  
0 upvotes





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# AI Usage Declaration

The following AIs systems were used in preparation of this workshop.

## Search Engines

Bing - general search

Google - general search

## Generative AIs

Open AI ChatGPT 4o - planning and research

Microsoft Copilot - research

Google Bard - research

gamma.app - presentation preparation

Goblin Tools - proof reading

No AIs were harmed in the making of this workshop.

Thank you for participating.

