



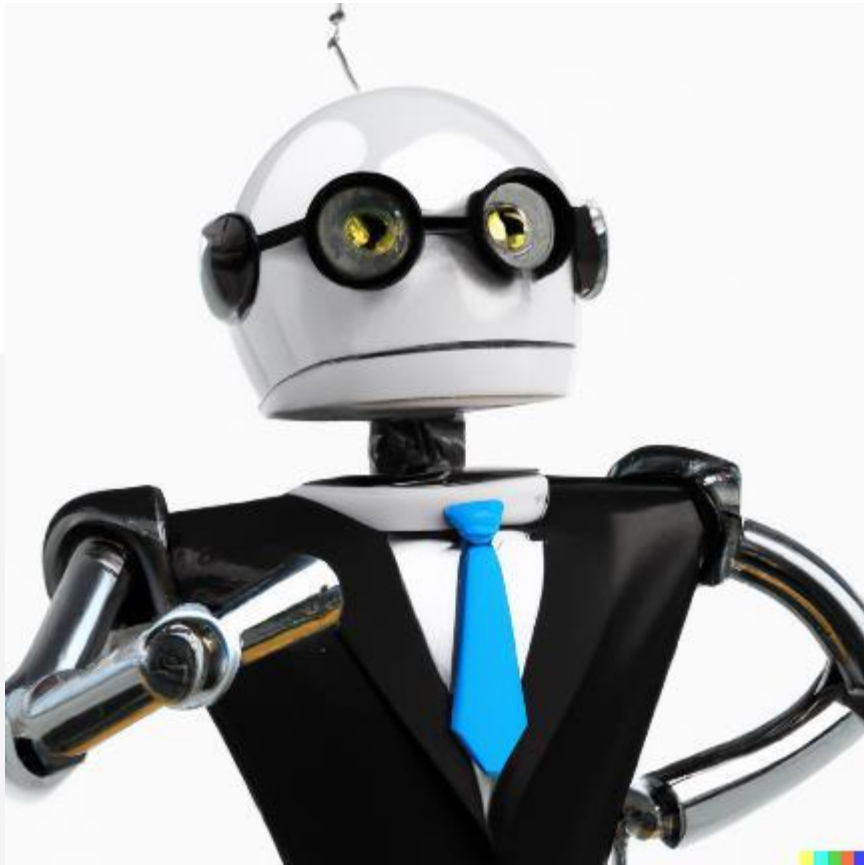
# *Generative AI and ODL*

High-level Roundtable for Vice-Chancellors  
and Senior Officials  
October 4, 2023

Dr Jako Olivier, Adviser: Higher Education  
**Commonwealth of Learning, Canada**



AI can be considered how machines can adapt to changing situations, solve problems, and act in a way that shows some form of intelligence (Coppin, 2004)



DALL-E generated image: “Robot Vice-Chancellor”  
<https://labs.openai.com/s/TFSwZeJ5qwsVNRMp3e9OCKT1>



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## Up to 80 PERCENT of US jobs could be impacted by ChatGPT-like AI in coming years, study warns — these are the industries most at risk

- A study conducted by OpenAI shows AI will impact high-paying jobs
- Those at risk include mathematicians, accountants and writers
- **READ MORE:** [The 20 jobs most at risk as the AI boom continues](#)

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# ChatGPT can pick stocks better than your fund manager

By [Anna Cooban](#), CNN

Published 8:04 AM EDT, Fri May 5, 2023



**London (CNN)** — A basket of stocks selected by [ChatGPT](#), a chatbot powered by artificial intelligence (AI), has far outperformed some of the most popular investment funds in the United Kingdom.

Between March 6 and April 28, a dummy portfolio of 38 stocks gained 4.9% while 10 leading investment funds clocked an average loss of 0.8%, according to an experiment conducted by financial comparison site [finder.com](#).

It wouldn't "be long until large numbers of consumers try to use [ChatGPT] for financial gain," Jon Ostler, Finder's CEO, said in a statement earlier this week.



U.S. >

# A college student asked ChatGPT to write a letter to get out of a parking ticket - and it worked

BY CAITLIN O'KANE

MARCH 31, 2023 / 12:07 PM / CBS NEWS



# Can universities detect ChatGPT? – Essentially yes

A complete guide to Chat GPT essays and if universities can detect them



Funmi Looi Somoye

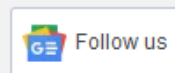
Last Updated on September 11, 2023

Students are increasingly using ChatGPT to write assignments and essays for them, with those same students plus educators asking “Can **Universities detect ChatGPT?**” – for opposing reasons. **In short, yes. Not all of the time, mind you. It actually comes down to a probability score which depends on a few key things.**

Since its release at the end of 2022, **ChatGPT** has taken the world by storm and has become one of the most popular chatbots around. The AI bot developed by OpenAI has some extremely advanced capabilities. Quite recently, ChatGPT successfully **passed the law bar exam**. As a result, this AI model has become a topic of interest/concern for many students and universities alike.



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  - 1.1. Perplexity
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# ChatGPT leans liberal, research shows

Chatbots are ingrained with political biases picked up from their training data – which in most cases is unfiltered text from the web



By [Gerrit De Vynck](#)

Updated August 16, 2023 at 7:21 p.m. EDT | Published August 16, 2023 at 7:01 p.m. EDT



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ARTIFICIAL INTELLIGENCE

# ChatGPT is going to change education, not destroy it

The narrative around cheating students doesn't tell the whole story. Meet the teachers who think generative AI could actually make learning better.

By Will Douglas Heaven

April 6, 2023

The response from schools and universities was swift and decisive.

Just days after OpenAI dropped ChatGPT in late November 2022, the chatbot was widely denounced as a free essay-writing, test-taking tool that made it laughably easy to cheat on assignments.



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## Will ChatGPT transform research? It already has, say Nobelists

Nobel-winning scientists are now using large language models, but experts say their impact on research is only just starting

September 17, 2023

[Jack Grove](#)

Twitter: [@jgro\\_the](#)

"I think ChatGPT can make anyone 30 per cent smarter – that's impressive," reflected Michael Levitt, the South Africa-born biophysicist who took the Nobel Prize in Chemistry in 2013.

"It's a conversational partner that makes you think outside the box or a research team who have read a million books and many million journal papers."



Source: iStock

A pioneer of the computer modelling of molecules, Professor Levitt is not easily dazzled by technological wizardry but admits he has been impressed by the large language models (LLMs) that have emerged over the past year. "I didn't expect to this kind of stuff in my lifetime – they're a very powerful tool. I still write code every day but ChatGPT also writes programmes very well," he said.

Based at [Stanford University](#), the biophysicist has seen first-hand how technology can rapidly alter how knowledge is accessed – but nothing compares to the potential of LLMs, he insisted. "I started using Google in 1998 – two years before it was released publicly – because its founder Sergey Brin was in my class. A very smart guy who rejected my suggestion to make it a subscription service. Google has similar mind-bending powers, but ChatGPT is even more potent," he said.

News

# Could ChatGPT be your next co-author?

**As generative AI disrupts the world of teaching and learning, academia has been slow to address its use in scholarly research.**

BY DIANE PETERS | AUG 29 2023



Post a comment



Universities have made it clear: they are not fans of students using generative artificial intelligence (AI) in their coursework, as it could be considered **academic misconduct**. As the conversation on the use of AI in **teaching and learning continues to evolve**, many are starting to ask questions about the potential role these emerging technologies could play in academic publishing and authorship.

Mark Humphries, a Wilfrid Laurier University history professor who blogs about generative AI, is a member of the university's generative AI working group who says faculty research has yet to appear on the group's agenda. "Research is not part of the discussions right now."



University Vice-Chancellors should pay close attention to developments around generative AI for several important reasons:

1. **Educational Tools and Innovation:** Generative AI can be harnessed to create innovative educational tools and resources. For example, it can be used to develop personalized learning materials, interactive simulations, and intelligent tutoring systems that adapt to individual student needs, enhancing the overall quality of education.
2. **Research Opportunities:** Generative AI can significantly impact various academic research areas, from computational biology to natural language processing. Universities should explore opportunities to leverage these technologies for research advancements, which can boost their academic reputation and attract top researchers.
3. **Student Engagement:** AI-powered chatbots and virtual teaching assistants can enhance student engagement and provide immediate assistance with queries or challenges. This can contribute to improved student retention rates and satisfaction, which are essential for universities' long-term success.
4. **Efficiency and Cost Savings:** Universities can employ generative AI for administrative tasks, such as automating paperwork, managing resources, and optimizing campus operations. This can lead to cost savings and allow institutions to allocate resources more efficiently.
5. **Ethical Considerations:** As centers of education and research, universities have a responsibility to address ethical concerns associated with generative AI. They can contribute to discussions about responsible AI development, ethics, and policy by conducting research and offering guidance on these topics.




6. **Curriculum Development:** Understanding generative AI is increasingly relevant for students pursuing degrees in computer science, data science, and related fields. Universities must adapt their curricula to incorporate AI and prepare students for the evolving job market.
7. **Cybersecurity and Data Privacy:** With the proliferation of generative AI, universities must be vigilant about cybersecurity and data privacy. They store large amounts of sensitive data, and AI-generated content can be used for cyberattacks or misinformation campaigns.
8. **Competitive Advantage:** Universities that embrace and integrate generative AI into their teaching, research, and administrative processes can gain a competitive edge in attracting students, faculty, and funding.
9. **Industry Partnerships:** Generative AI is being applied across various industries, and universities can establish partnerships with organizations to collaborate on AI projects, creating valuable opportunities for research, funding, and student internships.
10. **Long-Term Strategic Planning:** Staying informed about generative AI developments allows university leaders to incorporate AI strategies into their long-term planning. This includes investments in infrastructure, faculty expertise, and research initiatives.

In summary, generative AI is a transformative technology with significant implications for education, research, and university operations. University Vice-Chancellors should monitor these developments to harness the benefits of AI, address ethical concerns, and ensure their institutions remain at the forefront of education and innovation.

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# Challenges, Opportunities and Worries – the Responsible Use of Generative AI



# Principles on the Use of AI

1. Universities will support students and staff to become **AI-literate**.
2. **Staff** should be equipped to support students to use generative AI tools effectively and appropriately in their learning experience.
3. Universities will adapt teaching and assessment to incorporate the **ethical use** of generative AI and support **equal access**.
4. Universities will ensure **academic rigour and integrity** is upheld.
5. Universities will work **collaboratively** to share best practice as the technology and its application in education evolves.

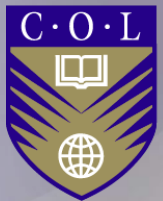


# In conclusion

- Are you effectively using the data available and making the links as necessary?
- Is your university, organisation or department ready for the integration of AI and next disruptive force like ChatGPT?
- **Poor Pedagogy = Bad**, but **Poor Pedagogy + AI = Worse!**
- Obsession with summative assessment
- First priority: access and ethics around AI



# Thank you



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