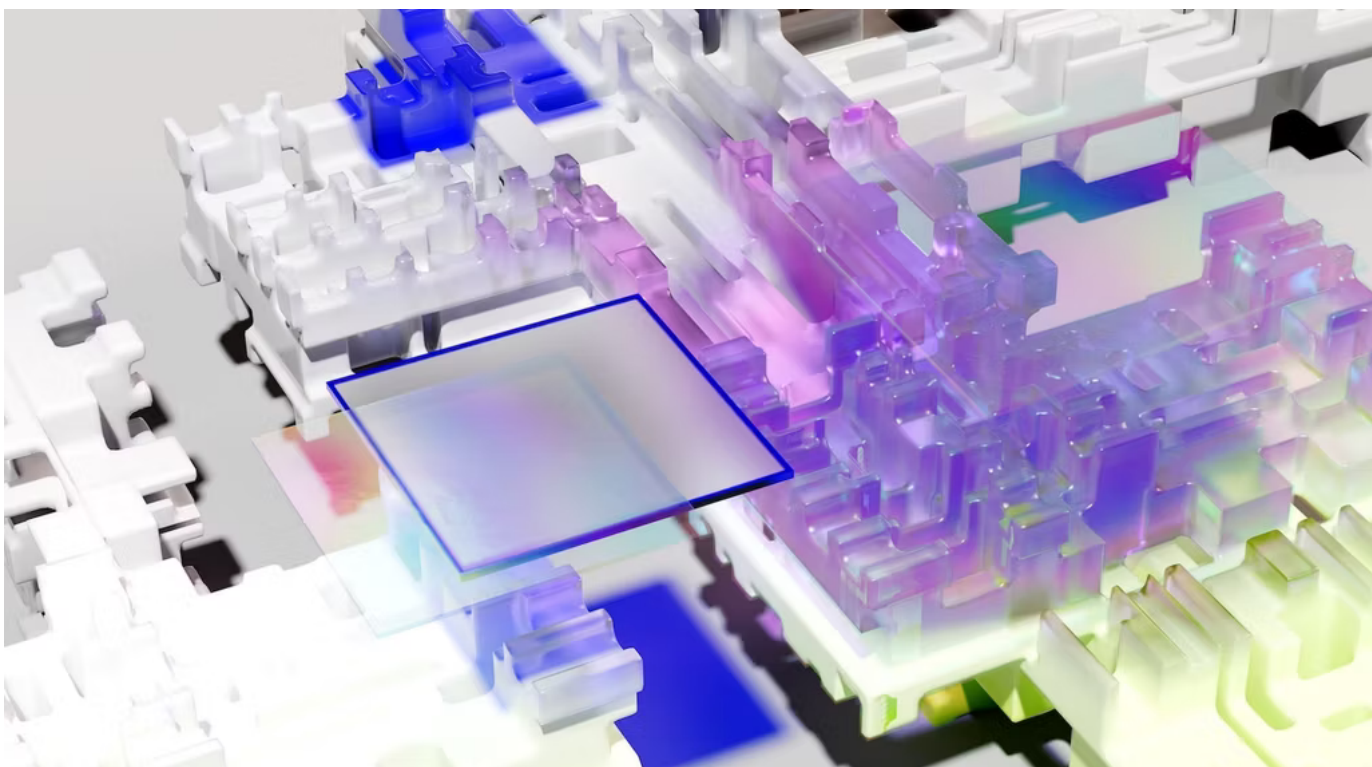MUO

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5 Big Problems With OpenAI's ChatGPT

OpenAI's new chatbot has garnered attention for its impressive answers, but how much of it is believable? Let's explore the dark s ChatGPT.

BY **GARLING WU**   PUBLISHED 4 DAYS AGO

ChatGPT is a powerful new AI chatbot that is quick to impress, yet plenty of people have pointed out that it has some serious pitfalls. Ask it anything you like, and you will receive an answer that sounds like it was written by a human, having learned its knowledge and writing skills from mass amounts of information across the internet.

Just like the internet, however, truth and facts are not always a given and ChatGPT is guilty of getting it wrong. With ChatGPT set to change our future, here are some of the biggest concerns.

What Is ChatGPT?

POLL

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ChatGPT

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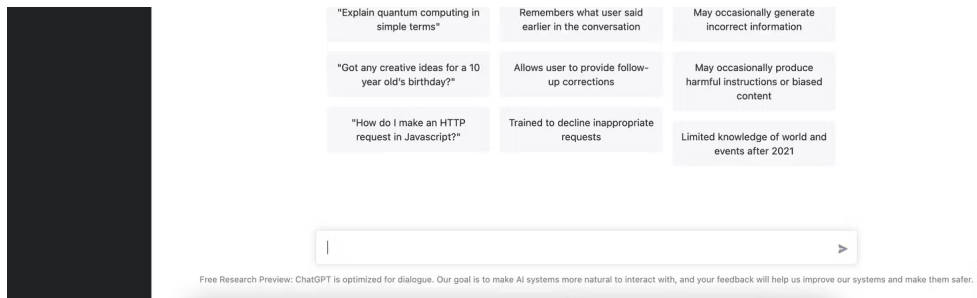
ChatGPT is a large language learning model that was designed to imitate human conversation. It can remember things you have said to it in the past and is capable of correcting itself when wrong.

It writes in a human-like way and has a wealth of knowledge because it was trained on all sorts of text from the internet, such as Wikipedia, blog posts, books, and academic articles.

It's easy to learn **how to use ChatGPT**, but what is more challenging is finding out what its biggest problems are. Here are some that are worth knowing about.

1. ChatGPT Isn't Always Right

It fails at basic math, can't seem to answer simple logic questions, and will even go as far as to argue completely incorrect facts. As social media users can attest, ChatGPT can get it wrong on more than one occasion.

OpenAI knows about this limitation, writing that: "ChatGPT sometimes writes plausible-sounding but incorrect or nonsensical answers." This "hallucination" of fact and fiction, as some scientists call it, is especially dangerous when it comes to something like medical advice.

Unlike other AI assistants like Siri or Alexa, Chat GPT doesn't use the internet to locate answers. Instead, it constructs a sentence word by word, selecting the most likely "token" that should come next, based on its training.

In other words, ChatGPT arrives at an answer by making a series of guesses, which is part of the reason it can argue wrong answers as if they were completely true.

While it's great at explaining complex concepts, making it a powerful tool for learning, it's important not to believe everything it says. ChatGPT isn't always correct—at least, not yet.

2. Bias Is Baked Into the System

ChatGPT was trained on the collective writing of humans across the world, past and present. This means that the same biases that exist in the data, can also appear in the model.

In fact, users have shown how ChatGPT can give produce some terrible answers, some, for example, that discriminate against women. But that's just the tip of the iceberg; it can produce answers that are extremely harmful to a range of minority groups.

The blame doesn't simply lie in the data either. OpenAI researchers and developers choose the data that is used to train ChatGPT. To help address what OpenAI calls "biased behavior", it is asking users to give feedback on bad outputs.

With the potential to cause harm to people, you can argue that ChatGPT shouldn't have been released to the public before these problems are studied and resolved.

A similar AI chatbot called Sparrow (owned by Google's parent company, Alphabet) was released in September 2022. However, it was kept behind closed doors because of similar concerns that it could cause harm.

Perhaps Meta should have headed the warning too. When it released Galactica, an AI language model trained on academic papers, it was rapidly recalled after many people criticized it for outputting wrong and biased results.

3. A Challenge to High School English

You can ask ChatGPT to proofread your writing or point out how to improve a paragraph. Alternatively, you can remove yourself from the equation entirely and ask ChatGPT to write something for you.

> **GA** What are the major literary themes in the novel Neuromancer by William Gibson?
>
> Neuromancer is a science fiction novel by William Gibson published in 1984. The novel is set in a future in which society is heavily reliant on technology, and explores themes such as artificial intelligence, virtual reality, and the relationship between humans and technology. It also touches on themes of corporate power and the impact of technological progress on society. The novel's main character, Case, is a former hacker who is recruited by a mysterious employer to pull off a difficult and dangerous computer-based heist. The novel is known for its portrayal of a bleak and dystopian future, as well as its exploration of the potential dangers of technology and its impact on humanity.

Teachers have experimented with feeding English assignments to ChatGPT and have received answers that are better than what many of their students could do. From writing cover letters to describing major themes in a famous work of literature, ChatGPT can do it without hesitating.

That begs the question: if ChatGPT can write for us, will students need to learn to write in the future? It might seem like an existential question, but when students start using ChatGPT to help write their essays, schools will have to think of an answer fast. The rapid deployment of AI in recent years is set to shock many industries, and education is just one of them.

4. It Can Cause Real-World Harm

Earlier, we mentioned how incorrect information by ChatGPT can cause real-world harm, with the most obvious example being wrong medical advice.

There are other concerns too. Fake social media accounts pose a huge problem on the

internet and with the introduction of AI chatbots, internet scams would become easier to carry out. The spread of fake information is another concern, especially when ChatGPT makes even wrong answers sound convincingly right.

The rate at which ChatGPT can produce answers which aren't always correct has already caused problems for Stack Exchange, a website where users can post questions and get answers.

Soon after its release, answers by ChatGPT were banned from the site due to a large number of them being wrong. Without enough human volunteers to sort through the backlog, it would be impossible to maintain a high level of quality answers, causing damage to the website.

5. OpenAI Has All the Power

With great power comes great responsibility, and OpenAI holds a lot of power. It's one of the first AI companies to truly shake up the world with not one, but multiple AI models, including Dall-E 2, GPT-3, and now, ChatGPT.

OpenAI chooses what data is used to train ChatGPT and how it deals with the negative consequences. Whether we agree with the methods or not, it will continue developing this technology according to its own goals.

GA Should AI code be open source?

There are both pros and cons to making AI code open source. On the one hand, open sourcing AI code can help promote collaboration and innovation in the field. It can also make it easier for researchers to verify the validity of the code and ensure that it is being used ethically. On the other hand, there are also some potential drawbacks to making AI code open source. For example, if the code is used to develop harmful AI systems, it could be difficult to control how that technology is used. Additionally, open sourcing AI code could potentially make it easier for malicious actors to access and exploit the technology. Ultimately, the decision to make AI code open source should be carefully considered on a case-by-case basis.

While OpenAI considers safety to be a high priority, there is a lot that we don't know about how the models are created. Whether you think that the code should be made open source, or agree that it should keep parts of it a secret, there isn't much we can do about it.

At the end of the day, all we can do is trust that OpenAI will research, develop, and use ChatGPT responsibly. Alternatively, we can advocate for more people to have a say in which direction AI should head, sharing the power of AI with the people who will use it.

If you're interested in what else OpenAI has developed, check out our articles on **how to use Dall-E 2** and **how to use GPT-3**.

Tackling AI's Biggest Problems

There is a lot to be excited about with ChatGPT, OpenAI's latest development. But beyond its immediate uses, there are some serious problems that are worth understanding.

OpenAI admits that ChatGPT can produce harmful and biased answers, not to mention its ability to mix fact with fiction. With such a new technology, it's difficult to predict what other problems will arise. So until then, enjoy exploring ChatGPT and be careful not to believe everything it says.

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Garling has a Master's degree in Music and over a decade of experience using creative technologies. In particular, she loves writing about music production, film, and DIY electronics. Outside of writing, you will find her taking…

6 Reasons Why Artificial Intelligence Can't Replace Huma Work

Do you fear that artificial intelligence could soon replace you at work? Fear not! Here's why AI can't replace humans in the workspa

BY **RAJI OLUWANIYI**   PUBLISHED SEP 21, 2022

When faced with the rapid growth of AI technology in today's labor market, employers

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probably think of automated processes that make work easier, faster, and more efficient. On the other hand, employees probably fear losing their jobs and being replaced by a machine.

While artificial intelligence is designed to replace manual labor with a more effective and quicker way of doing work, it cannot override the need for human input in the workspace. In this article, you will see why humans are still immensely valuable in the workplace and cannot be fully replaced by artificial intelligence.

1. AI Lacks Emotional Intelligence

Soft skills screenshot from International Business School of the Americas

Emotional intelligence is one distinguishing factor that makes humans forever relevant in the workplace. The importance of emotional intelligence in the workspace cannot be overemphasized, especially when dealing with clients.

As social animals, one basic, undeniable need of humans is the need for emotional connection with our kind. We achieve this connection through the chemical and biological interaction of several hormones and emotions between the parties involved. AI does not possess it as it comprises software and chips, not biological cells.

Good business owners and company executives understand the importance of appealing to the emotions of staff and clients. A machine can't achieve such levels of human connection, while, as a human, there are **ways to increase your emotional intelligence**.

Regardless of how well AI machines are programmed to respond to humans, it is unlikely that humans will ever develop such a strong emotional connection with these machines. Hence, AI cannot replace humans, especially as connecting with others is vital for business growth.

2. AI Can Only Work With Inputted Data

AI can only function based on the data it receives. Anything more than that would take on more than it can handle, and machines are not built that way. So, when the data inputted into

the machine does not include a new area of work, or its algorithm does not include unforeseen circumstances, the machine becomes useless.

These situations are common in the tech and manufacturing industries, and AI builders constantly try to find temporary workarounds. The idea that AI tools will adapt to any situation is one of several **common myths around artificial intelligence**.

Therefore, if you fear that AI may infiltrate all industries and eliminate the demand for your professional skills, you can rest assured that won't happen. Human reasoning and the human brain's power to analyze, create, improvise, maneuver, and gather information cannot easily be replicated by AI.

3. AI's Creative Process Is Limited to the Data It Receives

3D graphic of a database signifying data input

When brainstorming creative concepts and ways of doing work, AI lacks this human ability because, as already established, AI can only work with the data it receives. Hence, it cannot think up new ways, styles, or patterns of doing work and is restricted to the given templates.

Employers and employees know how important creativity is in the workspace. Creativity offers the pleasant sensation of something new and different instead of the boring, repetitive actions in which AI is designed to function. Creativity is the bedrock of innovation.

Related to creative thinking is the ability to think outside the box. Machines are designed to "think within the box." That means AI tools can only function within the dictates of their given data.

On the other hand, humans can think outside the box, sourcing information from various means and generating solutions to complex problems with little or no available data. Since AI does not possess the ability to think out of the box and generate creative ideas for innovation, AI cannot take over humans in the workspace.

4. AI Does Not Have Soft Skills

Soft skills are a must-have for every worker in the workspace. They include teamwork, attention to detail, critical and creative thinking, effective communication, and interpersonal skills, to mention but a few. These **soft skills are in demand** in every industry, and you must develop them to succeed professionally.

Humans are taught and required to possess these skills; developing them is valuable for everyone, regardless of position. Company executives need them to thrive, as do a team of field workers in any industry. Hence, these soft skills give you the upper hand in the workspace over AI.

However, soft skills are alien to machines with artificial intelligence. AI cannot develop these soft skills critical to workplace development and growth. Developing these skills requires a higher level of reasoning and emotional intelligence.

5. Humans Make AI Work

Engineer with laptop beside server rack

There would be no artificial intelligence without human intelligence. The term artificial intelligence means humans design it. Humans write the lines of code with which AI is developed. The data AI machines operate with are inputted by humans. And it is humans that use these machines.

As AI application continues to grow, so will the services of humans. Someone has to design the machine's AI processes, create these machines, operate, and maintain them. Only humans can do this. Standing on these facts, you can boldly dismiss any speculations of AI overriding humans in the workspace.

6. AI Is Meant to Complement Human Ability and Intelligence, Not Compete With It

Artificial intelligence applications are indeed gaining ground in the workplace, and they will replace many jobs people perform today. However, the jobs it takes are limited to repetitive tasks requiring less intense reasoning. Additionally, evolving workplace demands will create new roles for humans as the world moves towards a more integrated tech landscape.

A report by the **World Economic Forum** shows that while machines with AI will replace about

A report by the **World Economic Forum** shows that while machines with AI will replace about 85 million jobs in 2025, about 97 million jobs will be made available in the same year thanks to AI. So, the big question is: How can humans work with AI instead of being replaced by it? That should be our focus.

Because in this present age, it will be difficult, if not impossible, to live without AI, and without humans, there would be no artificial intelligence. Forward-thinking organizations are already developing ways to incorporate human capabilities and AI to attain higher levels of productivity and innovation.

Learn to Work With AI, Not Fear It

Artificial intelligence isn't something to be scared of. However, you must step up your game to not be replaced by AI. Upskill, stay abreast with the latest trends in your field, and be innovative and creative. This way, you will be an asset no employer would risk losing.

So the next time you hear how artificial intelligence threatens to eliminate humans from the workforce, refer to this article and rest assured that humans will always have the upper hand-over AI.

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