

# Artificial Intelligence

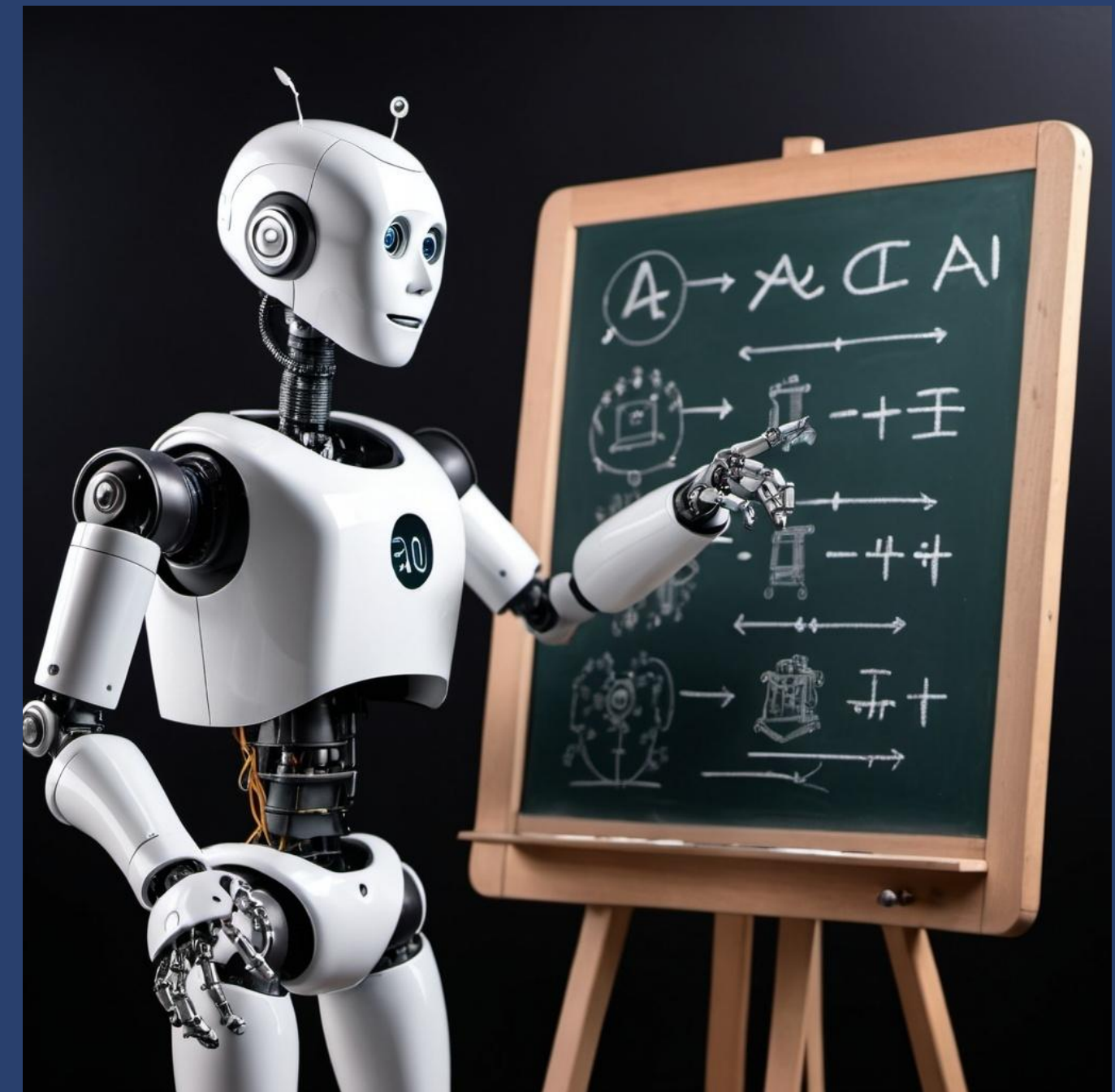
Introducing AI



# What we will learn

- What is AI
- Examples of AI
- How to use AI
- How AI helps us
- The disadvantages of AI
- How to use AI safely to help ourselves

**Finally:** *AI games!*



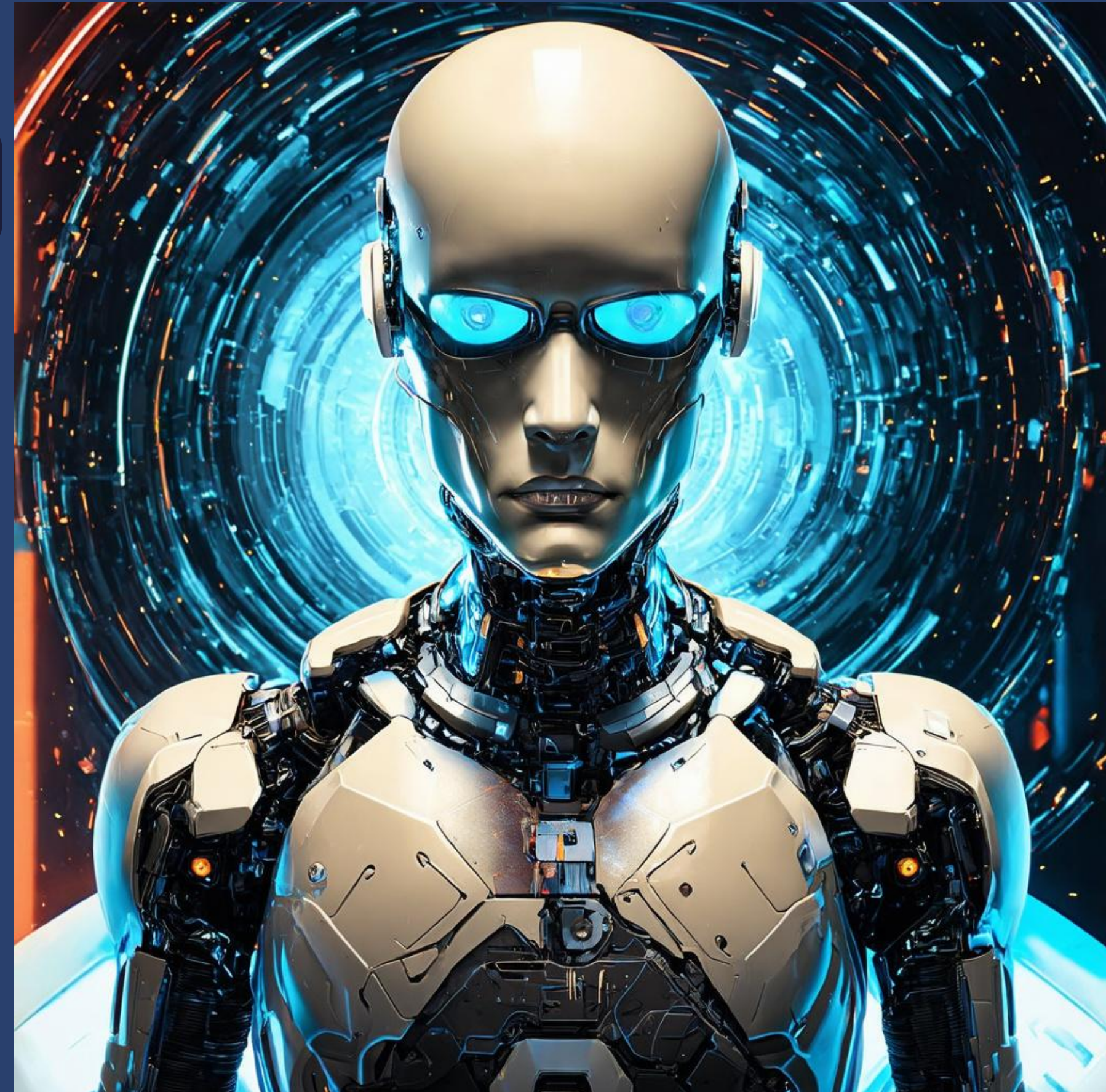


# WHAT IS “AI”?

- ◆ Artificial Intelligence (AI) is a technology that enables machines to perform tasks that typically require human intelligence. This includes:

Learning from experience: AI systems can improve their performance over time based on data.

- ◆ Making decisions: AI can analyze information and make choices, like recommending the fastest route on a map.
- ◆ Recognizing patterns: AI can identify objects or faces in photos, or detect patterns in data.
- ◆ Understanding language: AI can process and respond to spoken or written language.





# Examples of AI in everyday life

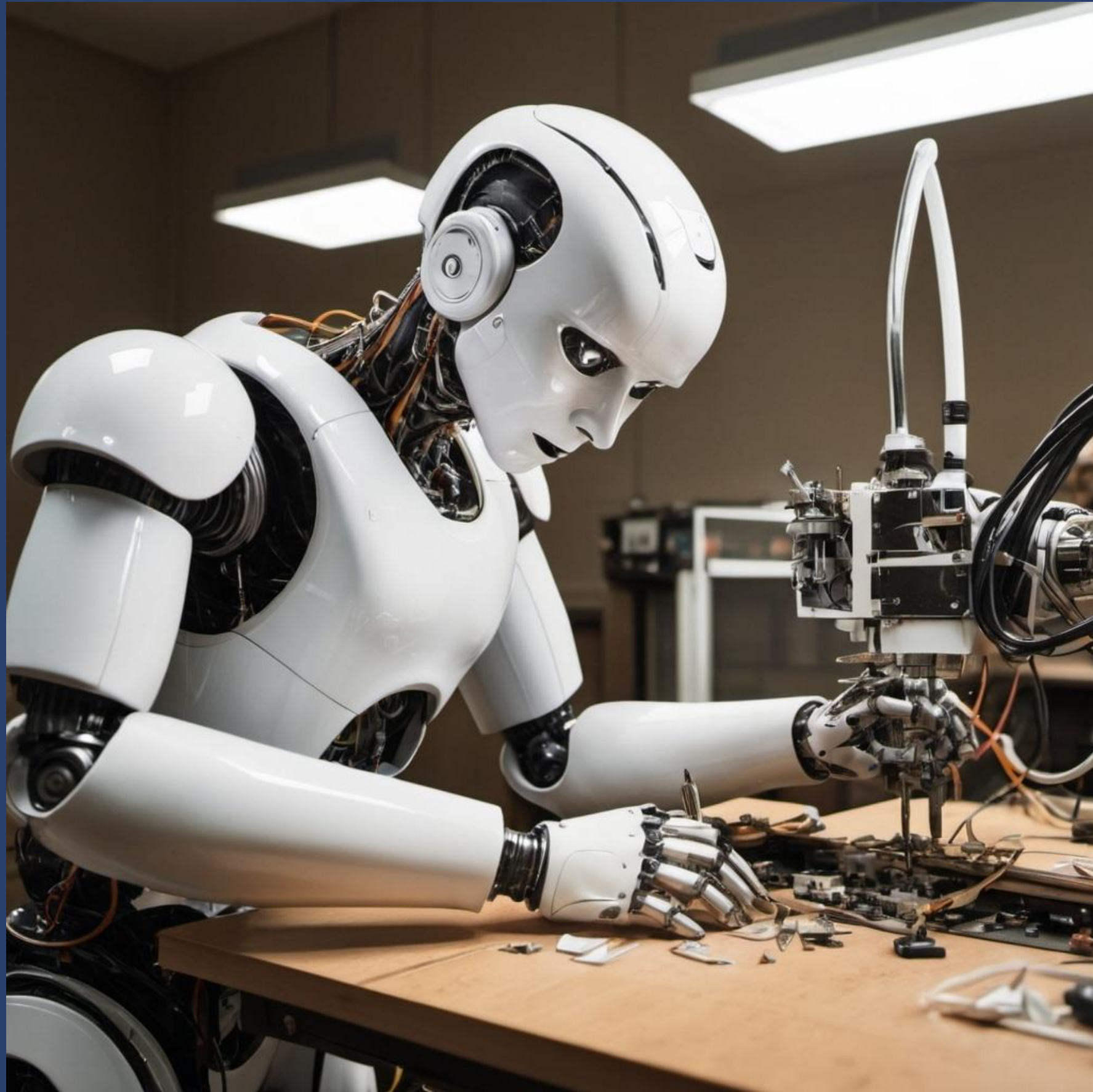
(you have probably used it before and didn't even know!)

## Examples:

- **Voice Assistants:** Siri and Alexa can answer questions, play music, and control smart devices.
- **Video Games:** AI controls non-player characters (NPCs) and adapts to your gameplay.
- **Recommendation Systems:** Netflix suggests movies, and YouTube recommends videos based on your preferences.







## SOME PROBLEMS AI CAN SOLVE

### 1. **Health Monitoring**

Wearable Devices (Fitbit, Apple Watch): These devices use AI to track your activity, heart rate, and sleep patterns. They can also detect potential health issues early.

### 2. **Fraud Detection**

Banking and Credit Card Companies: AI algorithms monitor transactions for unusual activity, detecting potential fraud in real-time.

### 3. **Language Translation**

Google Translate: AI-powered translation services can instantly translate text and speech in multiple languages. This makes communication easier and more accessible, especially when traveling.

### 4. **Vehicle Safety**

Driver Assistance Systems (Tesla Autopilot, GM Super Cruise): AI enhances vehicle safety by providing features like automatic emergency braking, lane-keeping assistance, and adaptive cruise control.





## Activity!

Go to [chatgpt.com](https://chatgpt.com)

In the prompt box type:

*Write a story about a young student named (your name) who discovers a magical AI robot that brings helps them do everyday tasks.*

Now you may use this yourself in your free time but now that we have a story I can use a tool like <https://openart.ai/create> to create a free cover for the story you just created.

Here is mine using the prompt: A cover for my story about a young student named Jason next to his best friend an AI powered robot.

With the power of AI we just made a story and a cover photo!



# SOME DISADVANTAGES OF AI

**Lack of Transparency:** AI decision-making processes are often opaque and difficult to understand.

**Bias and Discrimination:** AI systems can perpetuate and amplify existing biases in data.

**Privacy Concerns:** AI can collect and analyze vast amounts of personal data, leading to privacy issues.

**Ethical Dilemmas:** The use of AI raises questions about moral responsibility and the implications of autonomous decision-making.

**Security Risks:** AI systems can be vulnerable to hacking and other cyber threats.

**Dependence on AI:** Over-reliance on AI can reduce human skills and critical thinking.

**Job Displacement:** AI can automate tasks, leading to job loss and economic disruption.







## What to expect 10 years from now

### 1. **Personalized AI**

We can expect much more tailored AI, such as personal assistant and different AI for different personal use cases.

### 2. **Everyday Occurrence**

It will be likely to see and interact with AI every single day multiple times a day, sometimes even unknowingly.

### 3. **Worldwide integration**

Many large companies already have AI integration and use it to automate and power many of there different components but 10 years I believe almost every company will be widely using AI.

### 4. **Healthcare AI Advancements**

I believe we can expect to see large AI advancements in healthcare such as AI powered assistants, monitoring, early detection, and so on.



# What to expect 10 years from now

AI 10 years from now will be far more advanced than we see it today. The amount of tools we have access to now is incredible. Like music generation, Voiceovers, Research, Coding, Image creation, Graphic design, and so on. If our AI can do this today at a very high level, the things it will be able to do will be unimaginable.

But wait...

This sounds good, but this also introduces a large risk for job replacement, AI-dominated creative space, and lack of human interaction and connection. As great as AI is, we must use it responsibly to make sure we still maintain a safe level of human interaction.

So how can we use AI responsibly?





# HOW DO WE USE AI RESPONSIBLY

## Use AI for Positive Purposes

Engage with AI tools that promote learning, creativity, and problem-solving. For example, use educational AI apps to improve coding skills, learn new languages, or create art and music.

## Don't Rely Too Heavily on AI

Use AI as a tool to assist with tasks but also develop critical thinking and problem-solving skills independently. Balance the use of AI with human judgment and effort.

## Question and Recognize Bias

Learn to recognize potential biases in AI systems and question the fairness of AI decisions. Understand that AI can make mistakes and should not be blindly trusted.



# WANT TO LEARN MORE AND BECOME AN AI MASTER?

## GAMES AND LESSONS

[\*\*Ai for Oceans\*\*](#)

[\*\*Ai Experiments\*\*](#)

[\*\*Build a Game\*\*](#)

[\*\*Teachable Machine\*\*](#)

## AI TOOLS YOU CAN USE NOW

[\*\*ChatGPT\*\*](#)

[\*\*OpenArt\*\*](#)

[\*\*Canva\*\*](#)

[\*\*Grammarly\*\*](#)



# THE END!

# ENJOY AI

Did you know I used AI to generate some of the dialogue and all of the images in this slideshow?

