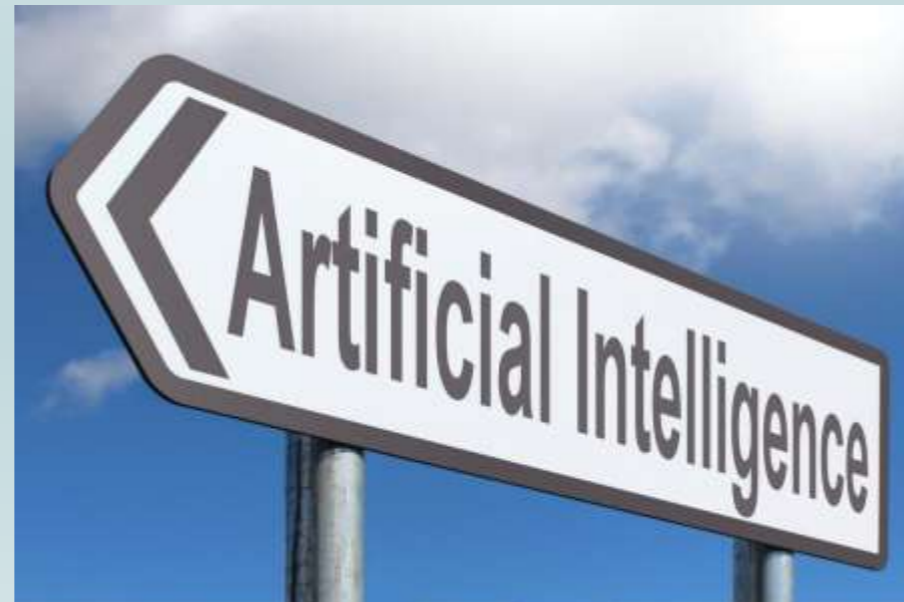


BENEFITS AND CHALLENGES OF ARTIFICIAL INTELLIGENCE TOOLS

TOM SHEPHERD





SUNIL AGARWAL & IAN BAKER..

"CHATGPT GIVE ME ONE REASON TO GET OUT OF BED TODAY."

UPCOMING EVENTS AT GRAND COMPUTERS CLUB



New Technologies SIG

Thursday, November 16 , 2023

3:30pm

GCC Classroom

"Medical Technology - Key Trends for the Future"

- Wearable Devices
- 3D Printing
- Portals
- VR and AR Training
- Smartphone Apps

Join us for a lively technical discussion about these interesting new devices and techniques. Anyone is welcome to attend - You don't have to be a member of the SIG - You don't have to be a member of the Club - You don't even have to register - Just Show Up!

UPCOMING EVENTS AT GRAND COMPUTERS CLUB



November 9, 2023

8:30am

Chaparral Center, Pima Room

Banking Security and Fraud Protection for Seniors

Presentation by representative of Wells Fargo

Coffee and Donuts provided

TODAY'S AGENDA



AI in the Headlines This Week

What is Artificial Intelligence anyway?

Explanation of some oft-used terms

Why is AI so popular now?

How would I find the most popular AI tools?

Examples of what to use AI tools for


AI and Photo Editing

Challenges of AI

Headline NY Times Oct 30

Biden Issues Executive Order to Create A.I. Safeguards

The sweeping order is a first step as the Biden administration seeks to put guardrails on a global technology that offers great promise but also carries significant dangers.

 Share full article



Headline CNBC Oct 30



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TECH

Biden issues U.S.' first AI executive order, requiring safety assessments, civil rights guidance, research on labor market impact

PUBLISHED MON, OCT 30 2023•5:17 AM EDT | UPDATED 2 HOURS AGO



Hayden Field
@HAYDENFIELD



Lauren Feiner
@LAUREN_FEINER

SHARE



Headline CNBC Oct 30

KEY POINTS

- U.S. President Joe Biden unveiled a new executive order on artificial intelligence.
- It's the U.S. government's first action of its kind, requiring new safety assessments, equity and civil rights guidance and research on AI's impact on the labor market.
- The order builds on voluntary commitments the White House previously secured from leading AI companies and represents the first major binding government action on the technology.

Europe working on AI regulations too



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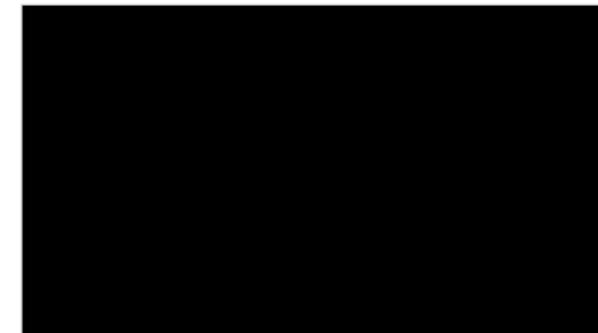
EU lawmakers make progress in crucial talks on new AI rules - sources

By Supantha Mukherjee, Martin Coulter and Elvira Pollina

October 25, 2023 9:20 AM MST · Updated 5 days ago



Aa



amazon cloud sales stabilizing, but shoppers wary

Headline from today - AI Summit in the UK



REUTERS®

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Markets ▾

Sustainability ▾

Legal ▾

Breakingviews

Technology ▾

Investing

Society & Equity | Human Rights | Data Privacy

AI Safety Summit: China, US and EU agree to work together

By **Paul Sandle** and **Martin Coulter**

November 1, 2023 4:51 PM UTC · Updated ago



Summary

Companies

- China signals willingness to cooperate
- AI Safety Summit being held at Bletchley Park
- Tech execs and political leaders discuss risks

BLETCHLEY PARK, England, Nov 1 (Reuters) - China agreed to work with the United States, European Union and other countries to collectively manage the risk from artificial intelligence at a British summit on

AI Summit in the UK

In a first for Western efforts to manage its safe development, a Chinese vice minister joined U.S. and EU leaders and tech bosses such as Elon Musk and ChatGPT's Sam Altman at [Bletchley Park](#), home of Britain's World War Two code-breakers.

More than 25 countries present, including the United States and China, as well as the EU, signed a ["Bletchley Declaration"](#) saying countries needed to work together and establish a common approach on oversight.

Businesses are happy about this

While businesses often chafe at new federal regulation, executives at companies like Microsoft, Google, OpenAI and Meta have all said that they fully expect the United States to regulate the technology — and some executives, surprisingly, have seemed a bit relieved.

Companies say they are worried about corporate liability if the more powerful systems they use are abused.

And they are hoping that putting a government imprimatur on some of their A.I.-based products may alleviate concerns among consumers.

What is Artificial Intelligence?

Artificial intelligence (AI) is a broad field of computer science that deals with the creation of intelligent agents, which are systems that can reason, learn, and act autonomously.

Another definition

Artificial Intelligence (AI) is the theory and development of computer systems that can perform tasks that typically require human intelligence, such as visual perception, speech recognition, decision-making, and language translation

Yet another definition



Artificial Intelligence

[,är-tə-'fi-shəl in-'te-lə-jən(t)s]

The simulation of human intelligence by software-coded heuristics.

**Here are some of the terms that are
often seen in discussions of AI**

Machine Learning (ML)

Training

Deep Learning (DL)

Neural Network

Natural Language Processor (NLP)

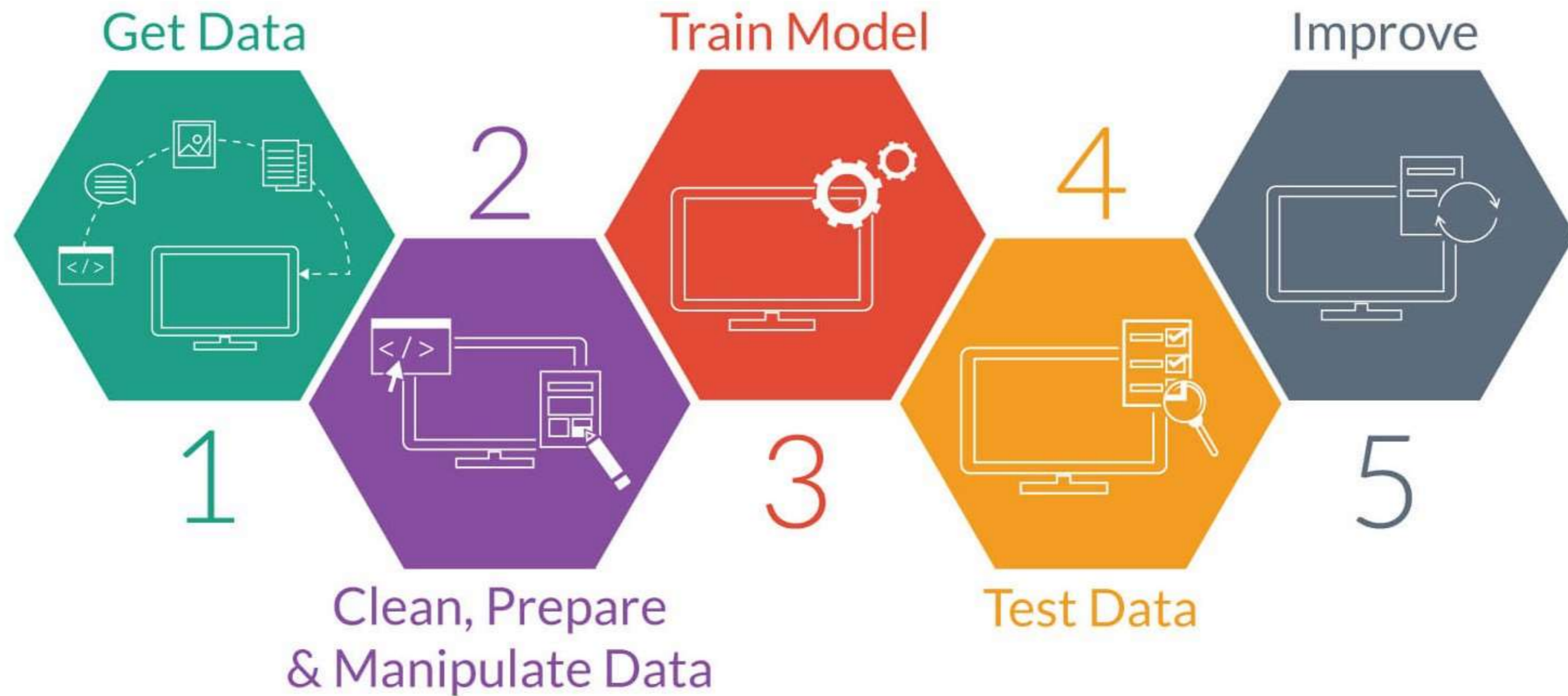
Chatbot

Machine learning (ML):

ML is a type of AI that allows software applications to become more accurate in predicting outcomes without being explicitly programmed. ML algorithms learn from data and improve their performance over time.

Example: A spam filter uses ML to learn to identify spam emails.

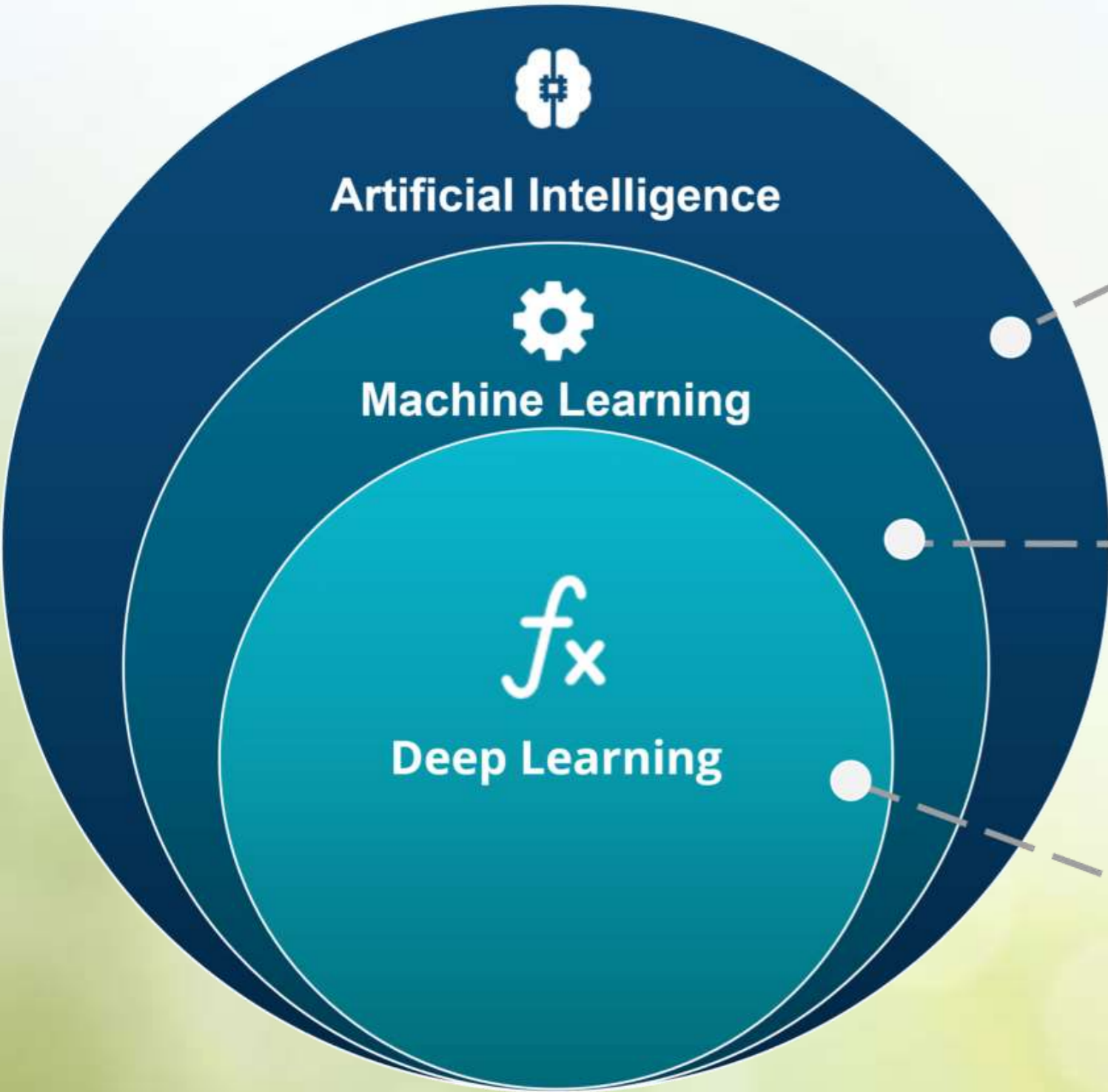
Training



Deep Learning (DL)

A type of ML that uses artificial neural networks to learn from data. **Neural Networks** are inspired by the structure and function of the human brain, and they are able to learn complex patterns from large amounts of data.

Example: A facial recognition system uses DL to identify people in photos and videos.



ARTIFICIAL INTELLIGENCE

A technique which enables machines to mimic human behaviour

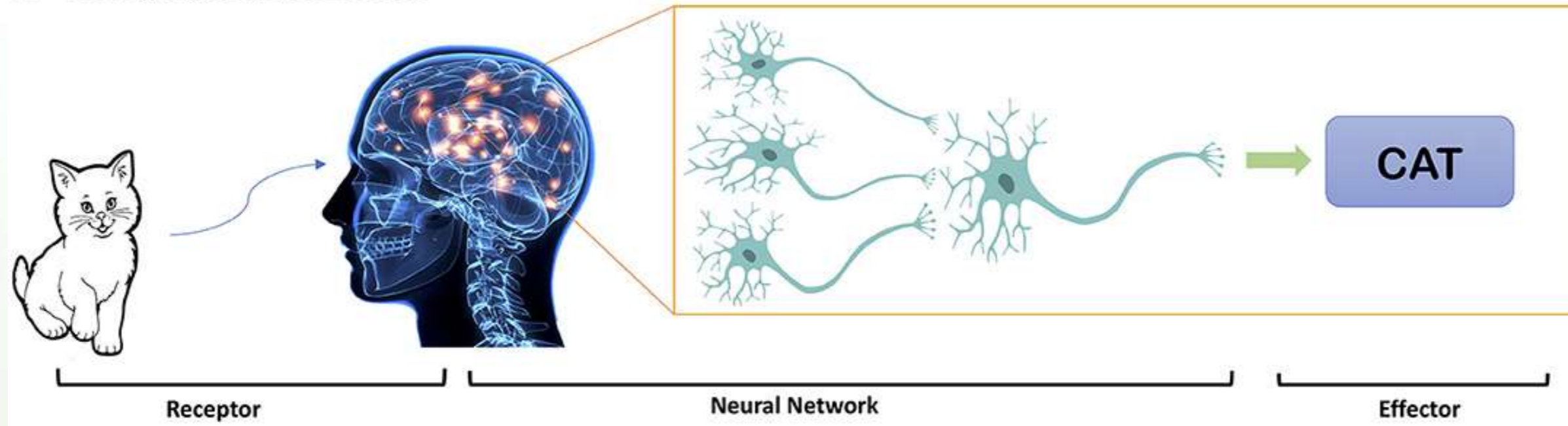
MACHINE LEARNING

Subset of AI technique which use statistical methods to enable machines to improve with experience

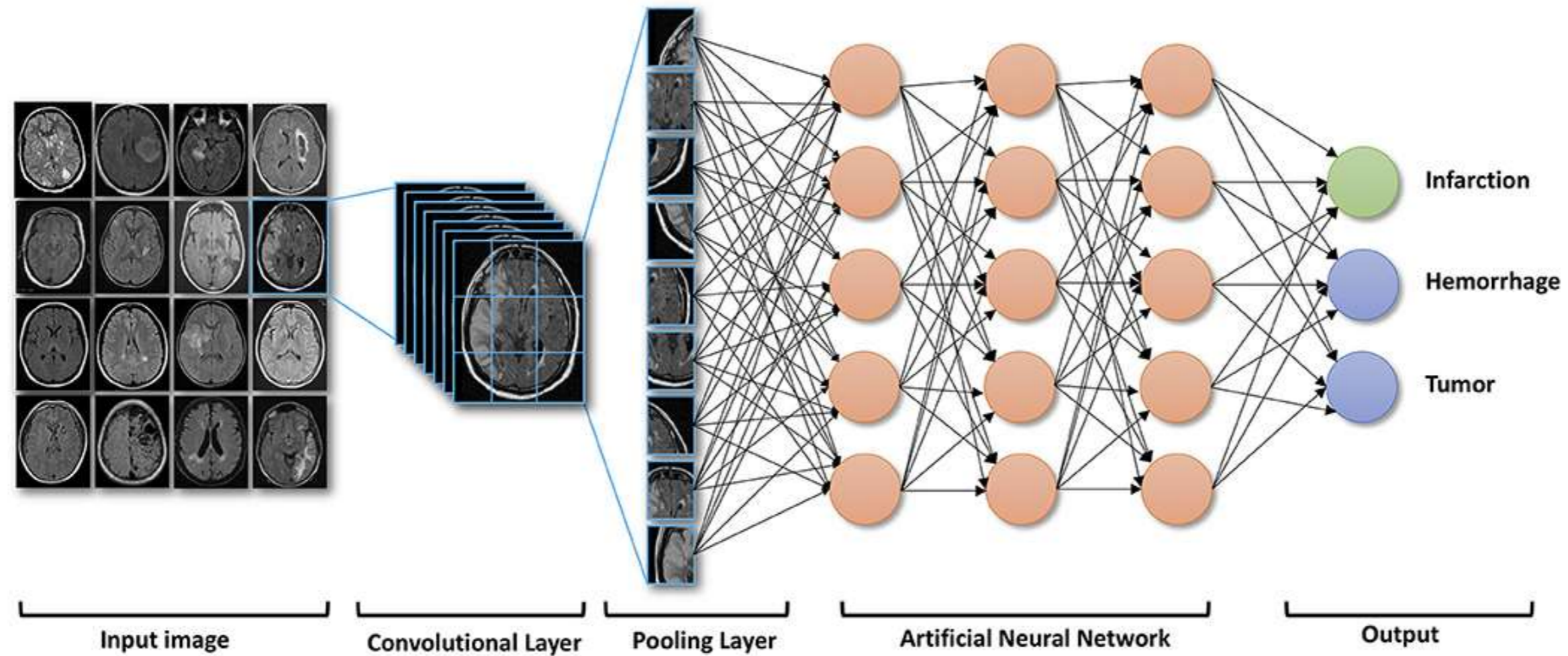
DEEP LEARNING

Subset of ML which make the computation of multi-layer neural network feasible

A Biological Neural Network



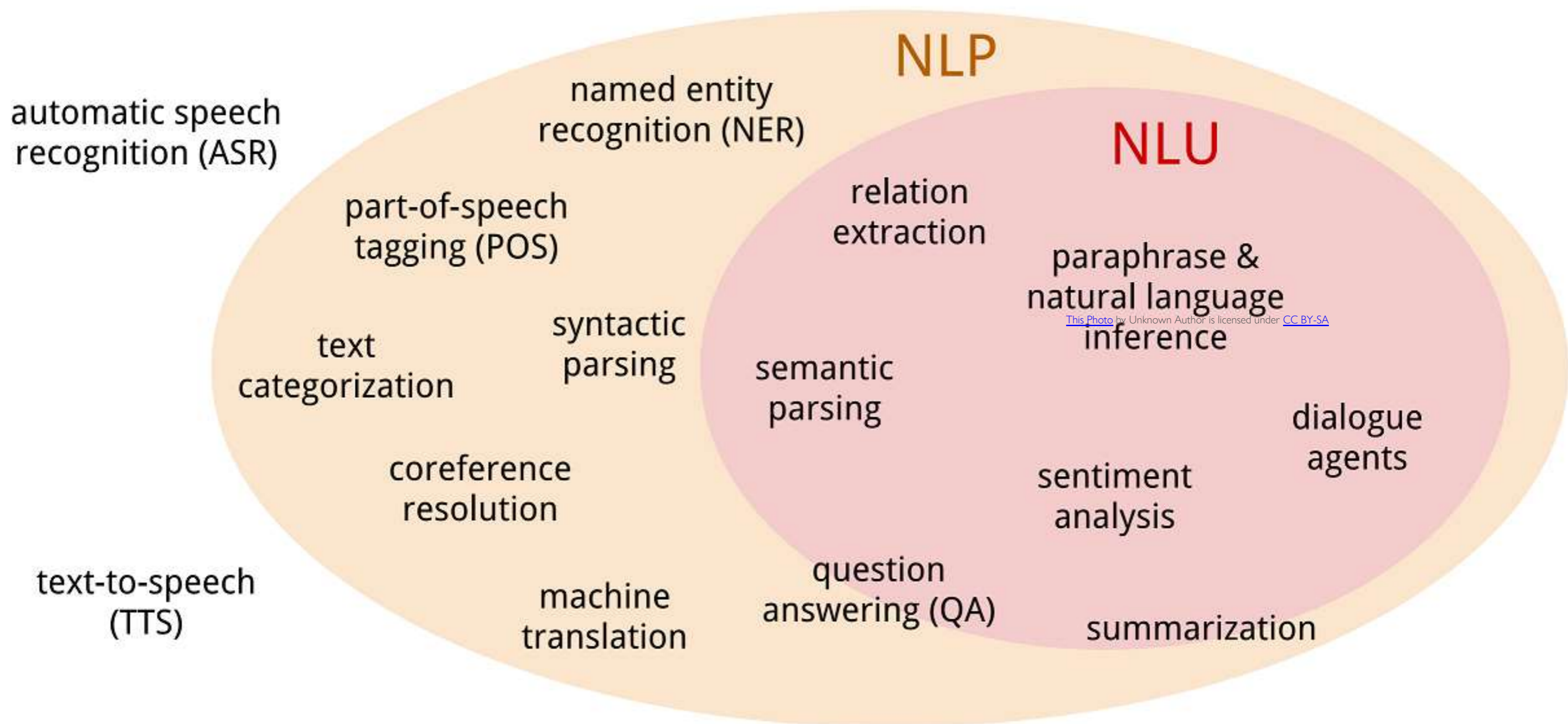
B Computer Neural Network(Convolutional Neural Network)



Natural language processing (NLP)

NLP is a field of AI that deals with the interaction between computers and human (natural) languages. NLP algorithms can be used to understand and generate human language, and they are used in a wide variety of applications, such as machine translation, chatbots, and speech recognition.

Example: A chatbot uses NLP to understand and respond to customer queries in a natural way.



Chatbot

A chatbot is a software application that is designed to imitate human conversation through text or voice commands.

Chatbots are used in customer service, marketing, and other applications where human-like interaction is desired

CHATBOT TECHNOLOGY



Hi! What's a chatbot?

Hello there! A chatbot is a computer program that mimics the way humans communicate.

Oh, wait... That's me!



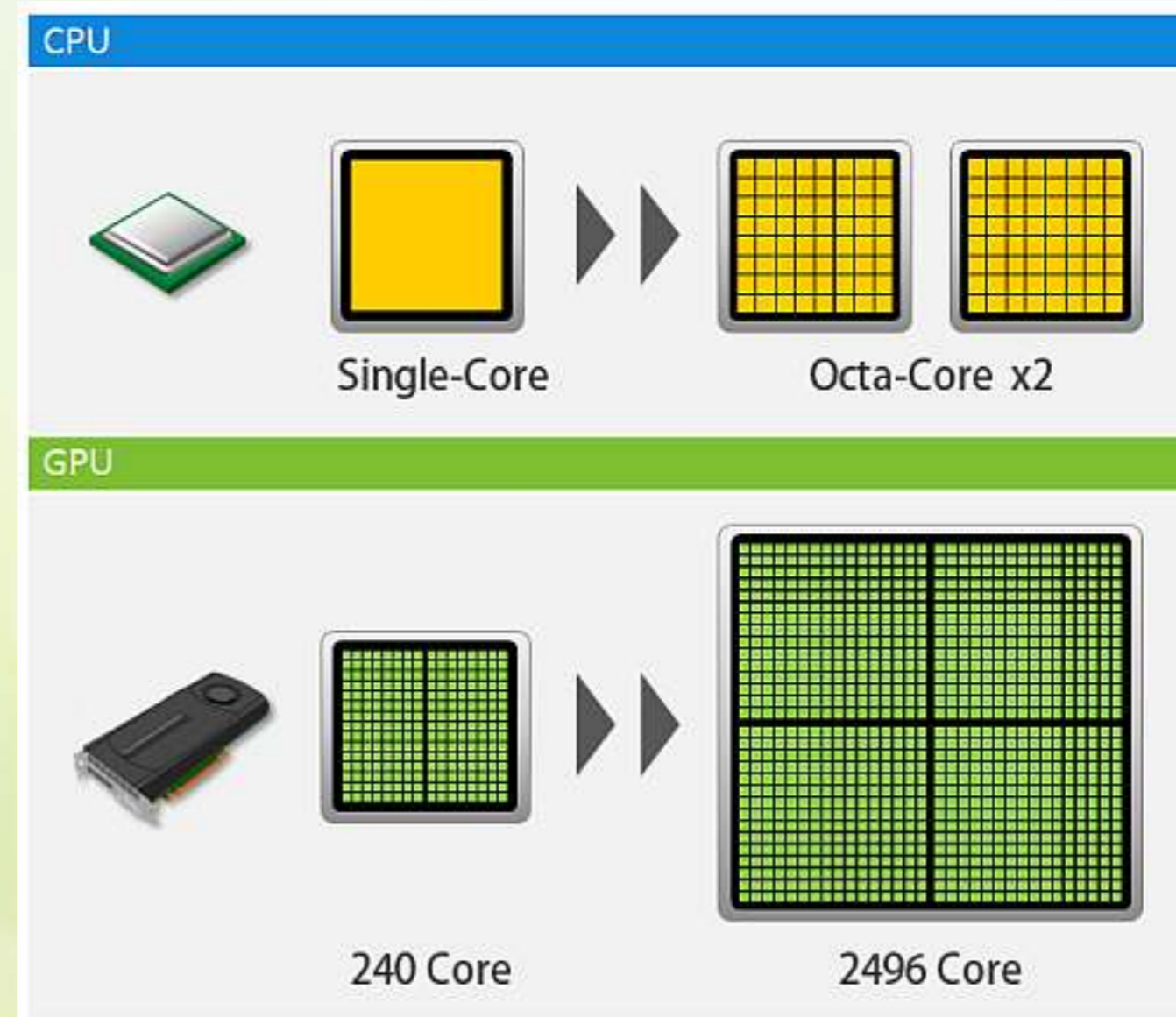
What factors have contributed to the recent and unprecedented growth of AI tools?

Advancements in computing power:

The availability of high-performance computing resources has enabled researchers to develop more sophisticated AI models that can process vast amounts of data and perform complex calculations

Advancements in computing power:

AI technology is largely implemented by Graphic Processing Units (GPUs), rather than Central Processing Units (CPUs)



GPUs vs CPUs

GPUs are now used more often than CPUs for AI technology because they are better suited for parallel processing.

CPUs are designed to process tasks one at a time, while GPUs can process many tasks simultaneously.

This makes GPUs ideal for AI workloads, which often involve performing millions or even billions of calculations on large datasets.

GPUs vs CPUs

In addition to being faster at parallel processing, GPUs also have other advantages over CPUs for AI workloads.

For example, GPUs have more memory bandwidth, which means they can move data between the CPU and GPU more quickly.

This is important for AI workloads, which often involve working with large datasets

Nvidia is the big winner in GPUs



selimaksan/iStock via Getty Images

Nvidia Corporation (NASDAQ:[NVDA](#)) stock has soared recently as the company has benefited from the growing demand for GPUs. Nvidia's stock price has more than tripled in the past year, and the company is now valued at over \$1 trillion.

Big Data

The proliferation of digital devices and the internet has led to the generation of massive amounts of data.

This data is used to train AI models, which
can then be used to make predictions or
decisions

ChatGPT



It really kicked off the wave of AI interest

ChatGPT is a large language model chatbot developed by OpenAI.

It was launched in November 2022 and quickly became popular, gaining over 100 million users in just a few months.

ChatGPT became so popular so fast because it is easy to use, engaging, and versatile.

Microsoft recently invested \$10 Billion into OpenAI



Microsoft will be bringing into its products (Office, PowerPoint, Word, etc.) the AI capabilities of ChatGPT

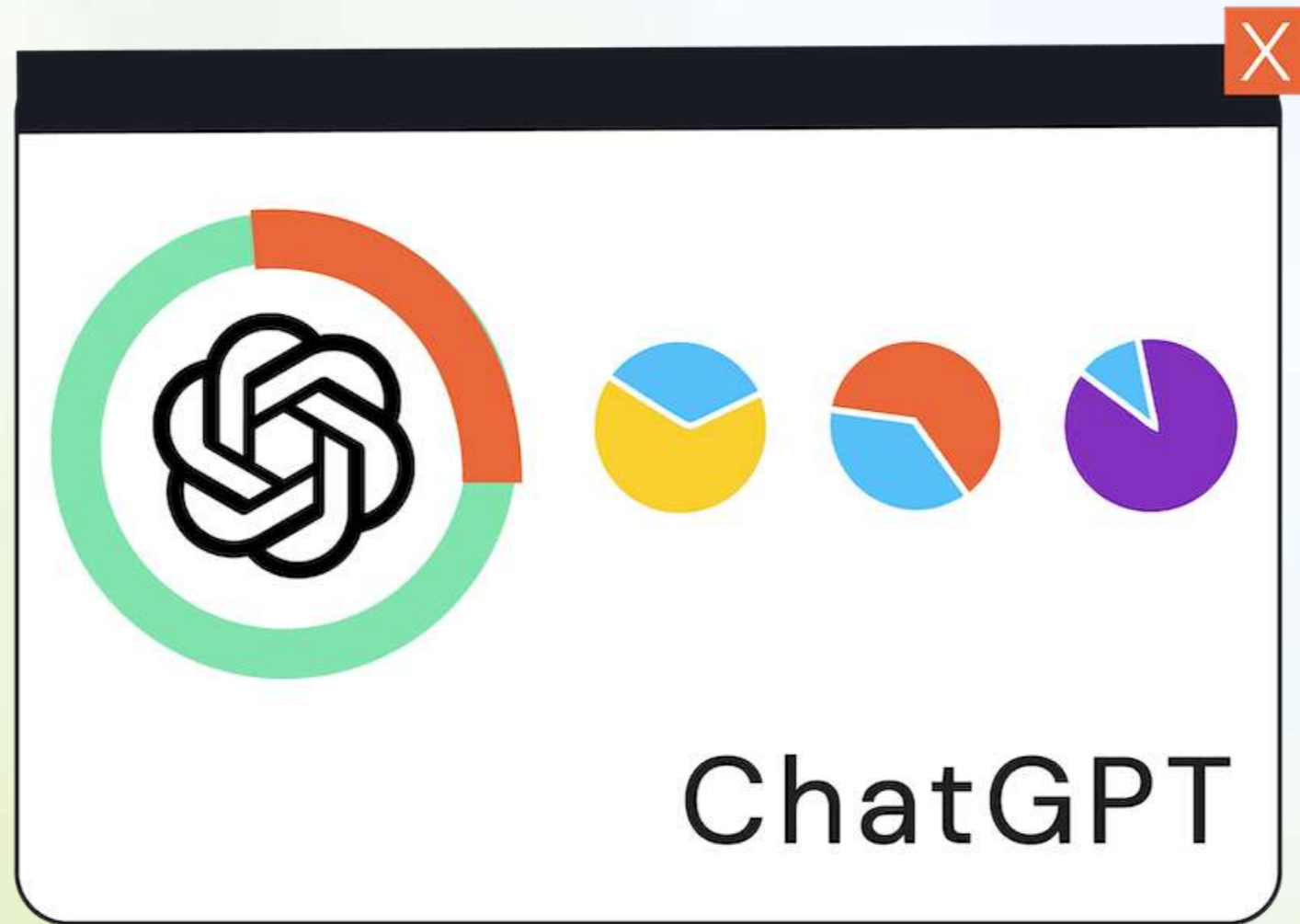
**What are the most popular AI tools I
could use?**

ChatGPT

Google Bard

Microsoft Bing

ChatGPT



ChatGPT

Here are some steps to find and use ChatGPT:

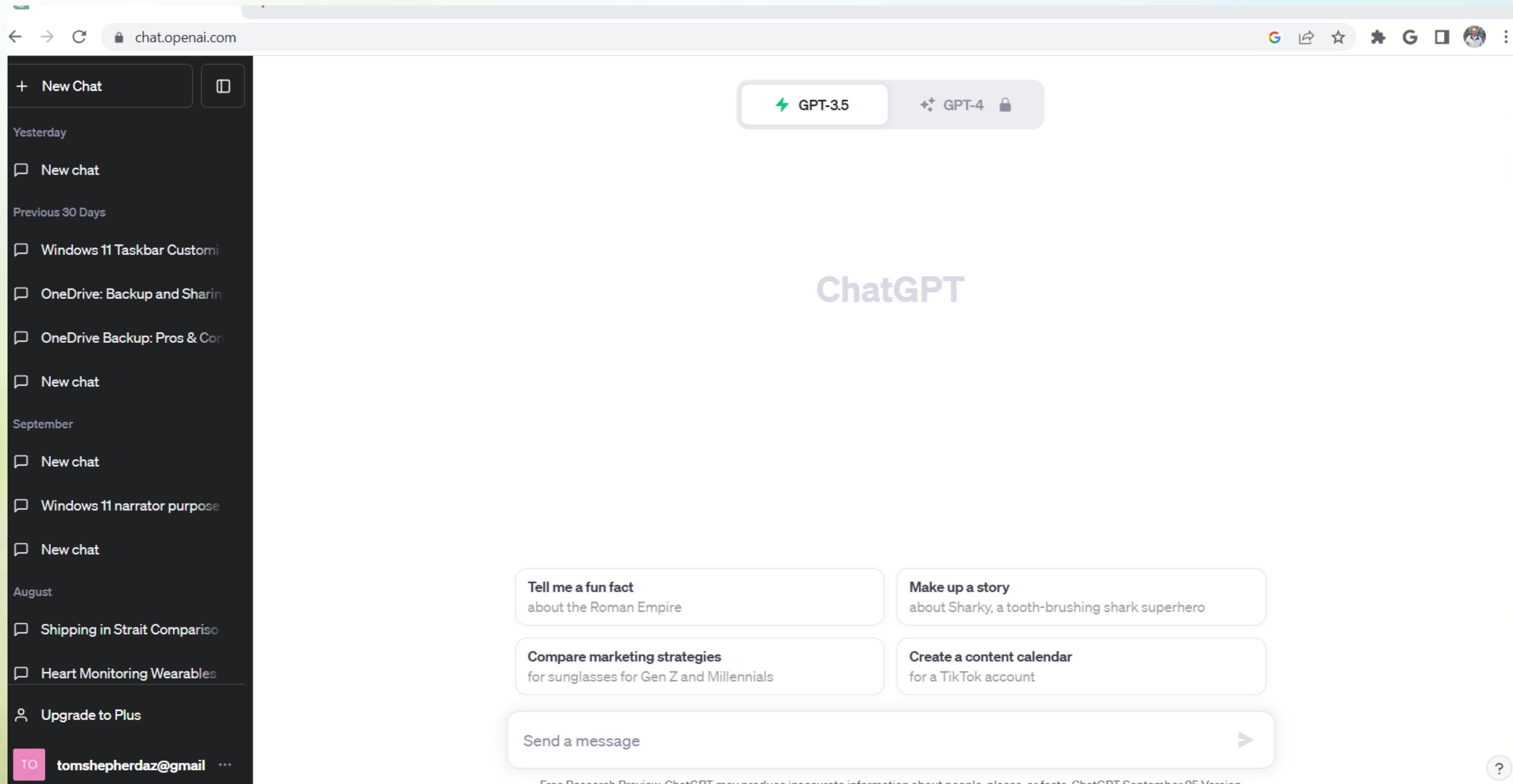
1.Create an OpenAI account: To use ChatGPT, you need to create an OpenAI account. You can sign up for free at chat.openai.com.

2.Verify your phone number: Once you have created an account, you will need to verify your phone number to complete the setup process.

3.Log in to ChatGPT: After verifying your phone number, you can log in to ChatGPT at chat.openai.com. Alternatively, you can download the mobile app for Android or iPhone.

4.Start chatting: Once you are logged in, you can start chatting with ChatGPT by typing a question or prompt and pressing enter. ChatGPT will generate a response based on the input.

Here is the website for ChatGPT



Here I ask ChatGPT to write a poem

Popular Cruise Ports: Miami

Yesterday

New chat

Previous 30 Days

Windows 11 Taskbar Customi

OneDrive: Backup and Sharin

OneDrive Backup: Pros & Con

New chat

September

New chat

Windows 11 narrator purpose

New chat

August

Upgrade to Plus

TO tomshepherdaz@gmail ...

ChatGPT

Plan a trip

to explore the rock formations in Cappadocia, Turkey

Suggest fun activities

for a family of 4 to do indoors on a rainy day

Compare storytelling techniques

in novels and in films

Brainstorm names

for a non-alcoholic cocktail with Coke and pomegrana...

Write a short poem in a funny way that describes life in a retirement community



Free Research Preview. ChatGPT may produce inaccurate information about people, places, or facts. [ChatGPT September 25 Version](#)

Here is the poem



In a retirement village, life's a hoot,
Where golden-agers put on quite a show.
Golf carts race at a snail's pace,
And bingo night's the prime-time race!

They gather 'round for early bird,
In polyester pants, it's quite absurd.
Social hours start at half past three,
The gossip flows like herbal tea.

Walking groups in matching caps,
Share tales of their latest mishaps.
Hearing aids, they're all the rage,
As residents jive on the senior stage.

Bridge and shuffleboard, games galore,
Grandkids visit, and they beg for more.
Napping's an art, it's well-respected,
Life's quite unique and quite well-connected.



Village Fu

Crucial Ports: Miami

Taskbar Customi

Backup and Sharin

Backup: Pros & Con

narrator purpose

Here I ask ChatGPT to plan a vacation to Paris

Plan a three day itinerary for two senior citizens who walk slowly with canes for visiting Paris that emphasizes seeing the major sites but minimizes walking



ChatGPT plans it based on the parameters I gave it

Day 1: Introduction to Paris

Note: Start your days a bit later to allow for a more relaxed pace.

Morning:

1. Begin with a leisurely breakfast at your hotel.
2. Take a short taxi or ride-sharing service to the Eiffel Tower.
3. Visit the Eiffel Tower's second floor for stunning panoramic views. There are elevators to reach this level.

Lunch:

4. Enjoy lunch at one of the nearby restaurants with a view of the Eiffel Tower.

Afternoon:

5. Take a Seine River Cruise. Most cruise operators offer accessible options. This allows you to see many famous landmarks from the comfort of the boat.
1. Stroll along the Champ de Mars Gardens if you're up for a gentle walk. Otherwise, take a taxi back to your hotel.

ChatGPT plans it

Day 2: Art and History

Morning:

1. Visit the Louvre Museum. Wheelchairs and mobility aids are available if needed, and the museum is very accessible.

Lunch:

2. Have lunch at one of the Louvre's restaurants or nearby cafes.

Afternoon:

3. Explore the Palais Royal Gardens, which are nearby and easily navigated with minimal walking.
1. Visit the nearby Musée de l'Orangerie to admire Monet's Water Lilies and other Impressionist masterpieces.

ChatGPT plans it

Day 3: Montmartre and Notre-Dame

Morning:

1. Head to Montmartre by taxi. Explore the historic area, including Place du Tertre where you can watch street artists.

Lunch:

2. Have lunch in a cozy Montmartre bistro.

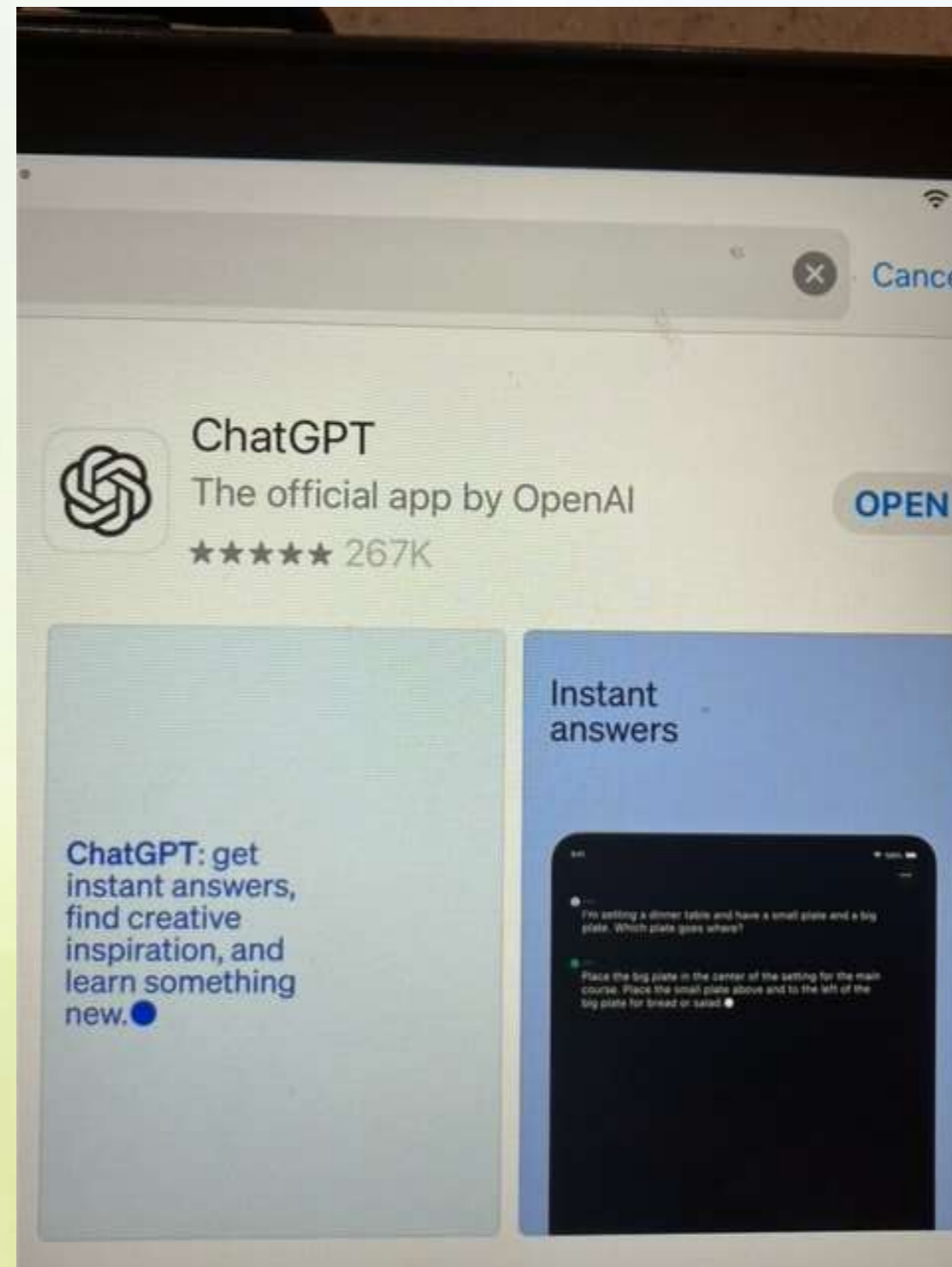
Afternoon:

3. Visit the Basilica of the Sacré-Cœur, which has an inclined funicular for easier access.
1. Afterward, take a taxi to Notre-Dame Cathedral and explore the exterior and surroundings. While the interior might be challenging, the exterior is a masterpiece.

Evening:

5. Enjoy a relaxed evening at a traditional Parisian bistro or a dinner cruise on the Seine River to admire the city's illuminated landmarks.

**ChatGPT is also available as an app in the Apple Store
so you can run it on Apple devices**



ChatGPT is also available as an App in the Google Play Store, allowing it to run on Android devices



Google Bard

To find and use Google Bard, you can follow these steps:

- 1.Go to bard.google.com.
- 2.If you're not already signed in, sign in to your Google Account.
- 3.In the text box at the bottom, enter your question or prompt.
- 4.Optionally, to add a photo to your prompt, tap Upload image .
- 5.Tap Submit.

Bard will generate a response to your question or prompt. You can then view or edit the response, or generate new dra



Here I ask Bard to write a little essay for me

+ New chat

Recent

 Bard, a medical research tool fo...

Five common AI terms

Can either bard or gpt4 create i...

▼ Show more



Hello again

Tell me what's on your mind, or pick a suggestion. I have limitations and won't always get it right, but your feedback will help me improve.

Understand

explain JavaScript code

home routines

compare college majors

Create

interview questions

write Java code

write SQL

Explore



 Spring getaway

presentation topic ideas

best places to visit in...



Create a 500 word essay explaining the history of the state of Arizona



- Surprise, AZ, USA

From your device • Update location

Bard may display inaccurate or offensive information that doesn't represent Google's views. [Bard Privacy Notice](#)

Here is the first part of what Bard generated



The History of Arizona

The history of Arizona is a rich and diverse tapestry, dating back thousands of years to the first human inhabitants of the region. Native American tribes have lived in Arizona for over 12,000 years, and their cultures have had a profound impact on the state's development.

The most notable Native American cultures in Arizona were the Ancestral Puebloan, the Hohokam, and the Mogollon. The Ancestral Puebloan people built cliff dwellings and other impressive structures, and they were skilled farmers and potters. The Hohokam people were also skilled farmers, and they built an extensive irrigation system in the Sonoran Desert. The Mogollon people were known for their copper mining and pottery.

In the early 16th century, Spanish explorers arrived in Arizona. They were drawn to the region by rumors of gold and silver, but they soon discovered that Arizona was a harsh and unforgiving land. The Spanish established a few missions and trading posts in Arizona, but they never fully colonized the region.

In 1821, Mexico gained its independence from Spain, and Arizona became part of the new Mexican nation. However, Mexico's control over Arizona was tenuous, and the region was plagued by Apache raids and lawlessness.

In 1848, the United States acquired Arizona from Mexico as part of the Treaty of Guadalupe Hidalgo. The US government established the Arizona Territory in 1863, and appointed John Noble Goodwin as its first governor.

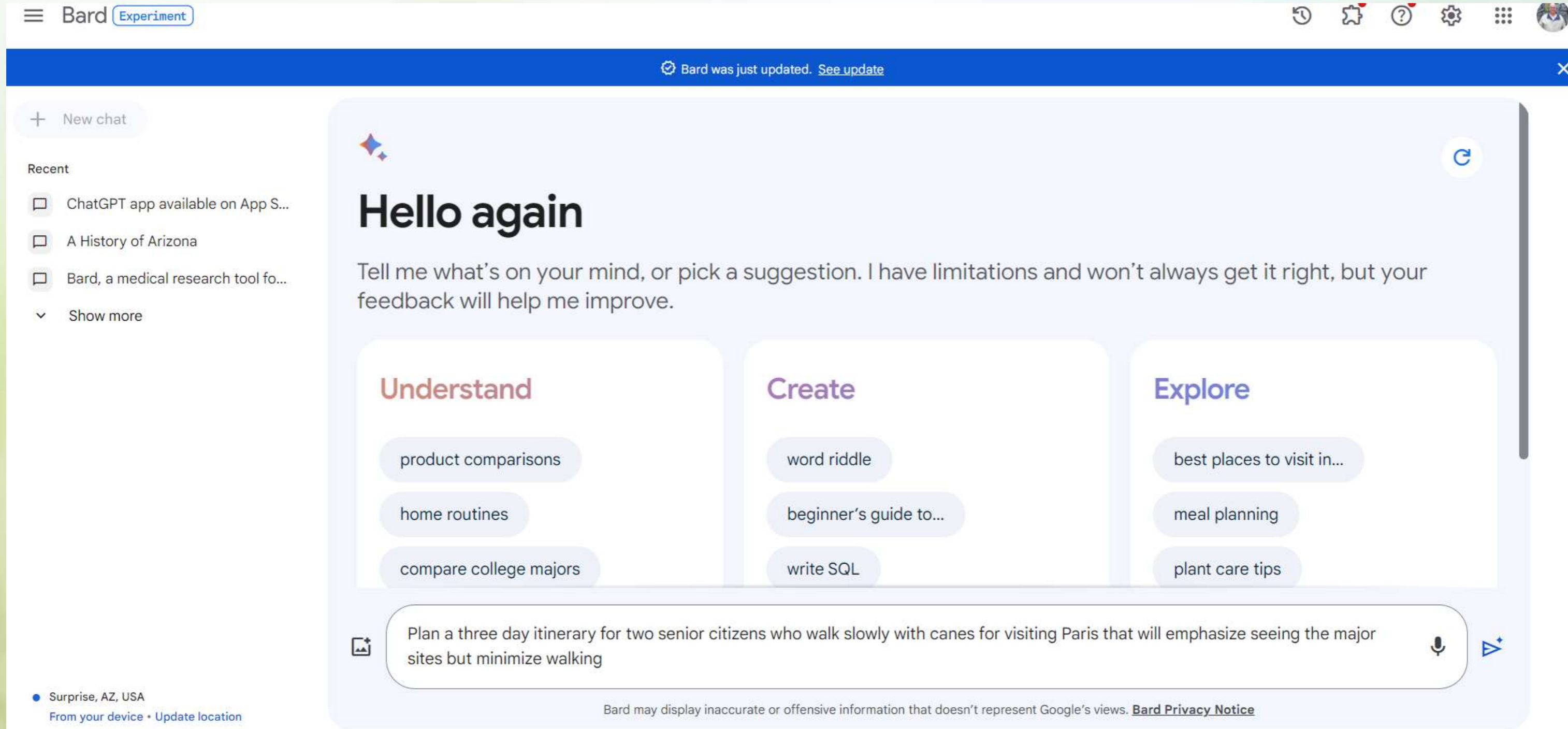
And the second part

The early years of the Arizona Territory were marked by conflict and violence. The US Army fought a long and bloody war against the Apaches, and the territory was also plagued by outlaw gangs. However, Arizona also experienced significant growth during this period. The discovery of gold and silver in the 1860s led to a mining boom, and the arrival of the railroad in the 1880s opened up new markets for Arizona's agricultural products.

In 1912, Arizona became the 48th state in the Union. The state continued to grow during the 20th century, and its economy diversified from mining and agriculture to include tourism, manufacturing, and technology.

Today, Arizona is a thriving state with a population of over 7 million people. It is home to a diverse range of cultures and industries, and it is a popular tourist destination.

Let's ask Bard the same question about the Paris vacation as did we for ChatGPT and see if it comes up with a different answer



The screenshot shows the Google Bard web interface. At the top, there's a navigation bar with the Bard logo and an 'Experiment' button. A blue banner below the navigation bar states 'Bard was just updated. See update'. On the left side, there's a sidebar with a 'New chat' button and a 'Recent' section listing previous conversations: 'ChatGPT app available on App S...', 'A History of Arizona', and 'Bard, a medical research tool fo...'. The main chat area has a light blue background and a large 'Hello again' greeting. Below the greeting, there's a prompt: 'Tell me what's on your mind, or pick a suggestion. I have limitations and won't always get it right, but your feedback will help me improve.' Underneath this, there are three columns of suggestions: 'Understand' (product comparisons, home routines, compare college majors), 'Create' (word riddle, beginner's guide to..., write SQL), and 'Explore' (best places to visit in..., meal planning, plant care tips). At the bottom, there's a text input field with the prompt: 'Plan a three day itinerary for two senior citizens who walk slowly with canes for visiting Paris that will emphasize seeing the major sites but minimize walking'. To the right of the input field are icons for image generation and voice search. At the very bottom, there's a location indicator 'Surprise, AZ, USA' and a disclaimer: 'Bard may display inaccurate or offensive information that doesn't represent Google's views. Bard Privacy Notice'.

Bard Experiment

Bard was just updated. [See update](#)

+ New chat

Recent

- ChatGPT app available on App S...
- A History of Arizona
- Bard, a medical research tool fo...
- Show more

Hello again

Tell me what's on your mind, or pick a suggestion. I have limitations and won't always get it right, but your feedback will help me improve.

Understand

- product comparisons
- home routines
- compare college majors

Create

- word riddle
- beginner's guide to...
- write SQL

Explore

- best places to visit in...
- meal planning
- plant care tips

Plan a three day itinerary for two senior citizens who walk slowly with canes for visiting Paris that will emphasize seeing the major sites but minimize walking

Surprise, AZ, USA
From your device • [Update location](#)

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Here is the Three Day Trip as planned by Bard

Here is a possible itinerary for a three-day trip to Paris for two senior citizens who walk slowly with canes:

Day 1

- Morning: Arrive at Charles de Gaulle Airport (CDG) and take a taxi or ride-sharing service to your hotel.
- Afternoon: Check in to your hotel and leave your luggage. Then, take a hop-on hop-off bus tour of the city. This is a great way to see all of the major landmarks without having to walk very much.
- Evening: Have dinner at a traditional French restaurant in the Latin Quarter.

Day 2

- Morning: Visit the Louvre Museum. This is one of the largest and most famous museums in the world, but it can be overwhelming. To minimize walking, focus on seeing the highlights, such as the Mona Lisa, Venus de Milo, and Winged Victory of Samothrace.
- Afternoon: Take a Seine River cruise. This is a relaxing way to see many of the city's most famous landmarks, such as the Eiffel Tower, Notre Dame Cathedral, and the Musée d'Orsay.
- Evening: Have dinner at a restaurant with a view of the Eiffel Tower.

Here is the Three Day Trip as planned by Bard

Day 3

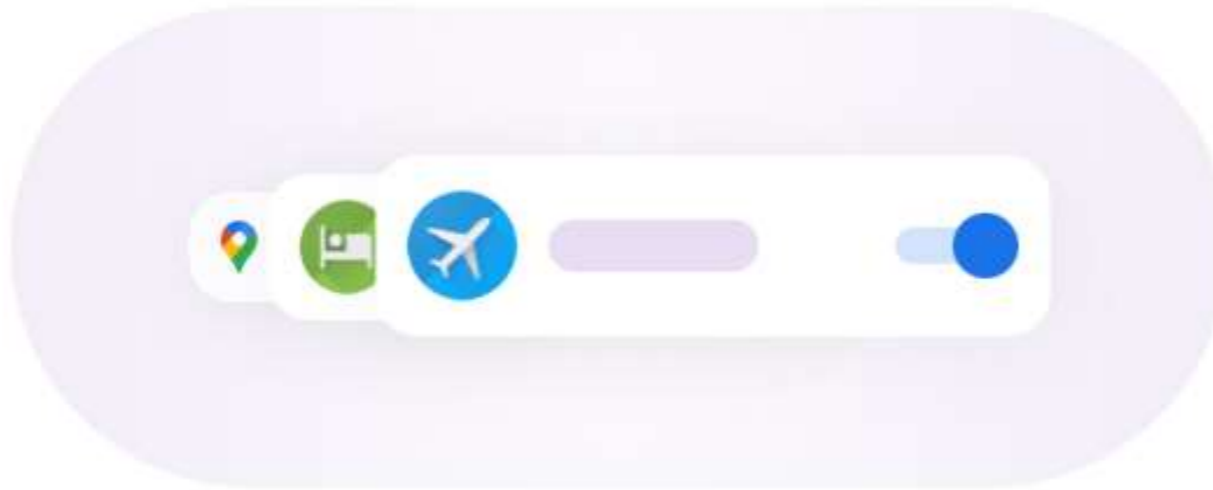
- Morning: Visit the Palace of Versailles. This opulent palace was once the home of French royalty. There are many things to see at Versailles, but to minimize walking, focus on the Palace itself and the Gardens of Versailles.
- Afternoon: Return to Paris and visit the Arc de Triomphe. This triumphal arch commemorates the victories of the French army. Visitors can take an elevator to the top of the arch for stunning views of the city.
- Evening: Have a farewell dinner at a restaurant in the Montmartre district. This charming neighborhood is known for its artists and its hilltop views of the city.

Tips for minimizing walking:

- Purchase a Paris Pass. This pass gives you free admission to many of the city's top attractions, as well as unlimited use of public transportation.
- Take advantage of the city's hop-on hop-off bus tours. These buses allow you to get around the city easily and at your own pace.
- Use taxis or ride-sharing services to get to and from your hotel and to visit attractions that are located far apart.
- Take breaks throughout the day. There are many cafes and restaurants in Paris where you can sit down and rest for a while.

Google is extending Bard to work with other Google products

Introducing Bard Extensions



Get more done with apps - all in one place

Bard can now respond with real-time info from Google Maps, Flights, Hotels, and YouTube, so you can get more done in one place.

Bard helps you automatically

To connect you with useful content, Bard may share parts of your conversations and other relevant info, like your location, with other services. These services may use that info for their improvement, even if you later delete your Bard activity. You can turn extensions off anytime on the [Extensions](#) page.

[Learn more in the Bard Privacy Help Hub](#)

Next

Google is extending Bard to work with other Google products

The magic of Bard comes to your stuff

Find
re

PDFs. For example, "summarize our
le with their date and time."



Get more done with your stuff

With your permission, Bard can use Gmail, Docs, and Drive to find or summarize your email or content - and help you stay ahead of it all.

Connect your account to get started with Gmail, Docs, and Drive.

[No thanks](#) [Continue](#)



Google
@flights



Google Maps
@maps



More about Bard integration:

Bard integrates with other Google products in a number of ways, including:

Bard Extensions: Bard Extensions is a new feature that allows users to interact with Bard from within other Google products, such as Gmail, Docs, Drive, Maps, YouTube, Flights, and Hotels.

This makes it possible to get Bard's help with complex tasks without having to switch between different apps.

For example, a user could ask Bard to pull flight and hotel details, directions, and videos about the destination when planning a trip from Google tools.

More about Bard integration:

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Can I find Bard in either the Apple Store or the Google Play Store?

Not at this point



Microsoft Bing

Part of Microsoft's deal with OpenAI was to be able to take the ChatGPT technology and make it part of other Microsoft products – the first big beneficiary of this is Microsoft Bing.

Bing is the Microsoft competitor to Google search and has never been very popular

Microsoft hopes that enhancing Bing with this new AI capability will then make it more competitive with Google

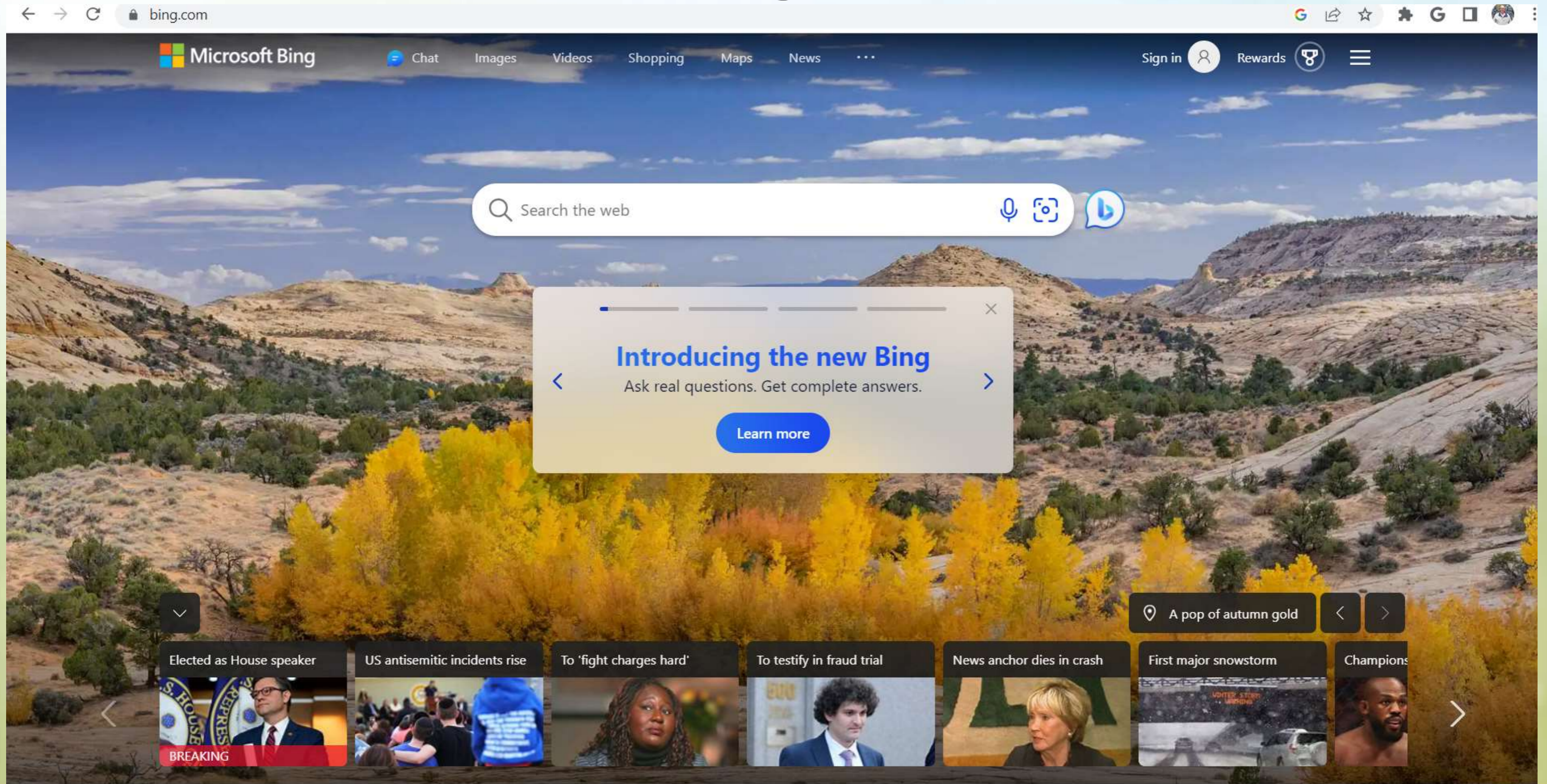
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Here is the website for Bing – I click on Learn more





This pops up



Sign in

5 



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Now you can search, chat, and create, all in one place. Turn your words into images with the new Bing's AI-powered Image Creator in chat [Learn More](#)


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Introducing the new Bing


Ask real questions. Get complete answers. Chat and create.

Start chatting




You will receive emails about Microsoft Bing, which include offers about Microsoft, Rewards, and partner products. [Terms](#) | [Privacy](#)




 Celebrating 6 months with the new AI-p...

 Watch later

 Share

Microsoft Bing

  SEARCH  CHAT

tom  3420  

Recent activity

Common AI Terms10:54 AM

NVIDIA's AI Applications10:13 AM

Short definition of Artificial IntelligenceYesterday

Rynns Customer Claim ProcessYesterday

Rynn's Bag Assessment5 days ago

See all recent chats

Let's learn together. Bing is powered by AI that can understand and generate text and images, so surprises and mistakes are possible. Make sure to check the facts, and [share feedback](#) so we can learn and improve!

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Choose a conversation style



Preview

More Creative

More Balanced

More Precise

 Ask me anything... 

 0/2000 

Ask Bing chat to explain something

Let's learn together. Bing is powered by AI that can understand and generate text and images, so surprises and mistakes are possible. Make sure to check the facts, and [share feedback](#) so we can learn and improve!

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Choose a conversation style [Preview](#)

More
Creative

More
Balanced

More
Precise



Explain in less that 500 words why it has been so hot in Arizona in 2023



72/2000



Bing answers

Phoenix, one of the fastest-growing cities in the United States, has been experiencing rapid growth in recent years. The growing population needs more housing and infrastructure, which means a reduction in vegetation. The urban part of Phoenix has mostly concrete and asphalt, which trap the heat, making the problem worse ¹. The location of Phoenix Valley also plays a role in the high temperatures. Arizona receives little moisture from the west due to the rain shadow effect caused by nearby mountains. As a result, the Phoenix Valley doesn't get much moisture and consistently stays hot. Phoenix sits on the downside of the mountains and experiences high pressure throughout the year. It's a major contributor to the high temperatures in the Phoenix Valley, and since there's no humidity, the heat lingers around much longer ¹.

Bing answers

The National Weather Service predicts that most of Arizona is going to have below-normal precipitation during the monsoon with above-normal temperatures, meaning Arizonans can face a hot and dry summer ³. Climate change may also be contributing to this trend. This year's summer heatwave in Arizona has already killed 59 people with 345 deaths now under investigation ².

In conclusion, Arizona's hot arid climate with plenty of sunshine and higher temperatures throughout the year is due to its geographical location and proximity to the equator. Rapid urbanization of Phoenix and climate change have been driving up temperatures in recent years. The lack of cloud cover in arid climates compared to their humid counterparts is another reason for such hot temperatures ⁴.

Bing shows you the websites from which it gleaned it's answer

Learn more:

1. thediscoverynut.com

2. azcentral.com

3. azcentral.com

4. azdot.gov

Let's ask Bing that familiar question about planning a vacation to Paris

The screenshot shows the Microsoft Bing homepage with a light blue background. At the top left is the Microsoft Bing logo. In the center, there's a large blue speech bubble icon with a white 'b' inside, and below it, the text "Bing is your AI-powered copilot for the web". Below this, there are seven white rounded rectangular cards arranged in two rows. Each card has an icon, a title, and a sample prompt. The top row includes: "Chat" (speech bubble icon) with the prompt "Help me learn a new language by quizzing me"; "Shop" (shopping bag icon) with "I need a gift for my friend who likes to hike in cold weather"; "Design with DALL·E 3" (paint palette icon) with "Draw a curious, fluffy, and cute bengal cat, fisheye lens"; and "Write" (notepad icon) with "Write step-by-step instructions to make pizza crust and give me the ingredient list". The bottom row includes: "Create" (pencil icon) with "Create a slogan for a new social media platform that specializes in sarcasm"; "Laugh" (laughing face emoji) with "Write a joke that my coworkers would find funny"; and "Code" (code icon) with "What are the new features in the latest CSS release?". To the right of these cards is a vertical white box with a blue header containing a speech bubble icon. The text inside says "Unleash the full Bing Chat experience! Try the new AI-powered Chat in Edge" with two buttons: "Try it now" (blue) and "Later" (grey). At the top right of the page, there's a "Sign in" button, a user profile icon, and a menu icon. At the bottom, there's a white chat input area with a blue speech bubble icon on the left, a text input field containing "Plan a threarge day itinerary for two senior citizens who walk slowly with canes for visiting Paris that emphasizes seeing the major sites but minimizes walking down", a "Tab" button, a microphone icon, and a character count "160/2000" with a blue arrow.

Microsoft Bing SEARCH CHAT Sign in 10

Bing is your AI-powered copilot for the web

Chat
Help me learn a new language by quizzing me

Shop
I need a gift for my friend who likes to hike in cold weather

Design with DALL·E 3
Draw a curious, fluffy, and cute bengal cat, fisheye lens

Write
Write step-by-step instructions to make pizza crust and give me the ingredient list

Create
Create a slogan for a new social media platform that specializes in sarcasm

Laugh
Write a joke that my coworkers would find funny

Code
What are the new features in the latest CSS release?

Unleash the full Bing Chat experience! Try the new AI-powered Chat in Edge
[Try it now](#) [Later](#)

[Preview](#) Bing is powered by AI, so surprises and mistakes are possible. Please share feedback so we can improve! [Terms](#) [Privacy](#)

Plan a threarge day itinerary for two senior citizens who walk slowly with canes for visiting Paris that emphasizes seeing the major sites but minimizes walking down [Tab](#) 160/2000

Here is Bing's take on this

I'd be happy to help you plan a three-day itinerary for two senior citizens who walk slowly with canes and want to see the major sites in Paris while minimizing walking. Here is a suggested itinerary:

Day 1

- Start with a **driving tour** of Paris to get a lay of the land and drive by all of the major sites. You can opt for a private tour with [Paris Tours By Genevieve](#) which offers upscale and luxury private tours of Paris from driving tours to walking tours. All private tours are upscale and fully customized according to the clients' needs and specifications.
- Visit the **Eiffel Tower** and take the elevator to the second floor. The view from here is stunning, and you won't have to climb too many stairs.
- Take a **Seine River Cruise**. This is a great way to see many of the major sites in Paris without having to walk too much.

Day 2

- Visit the **Louvre Museum**. The museum is huge, so it's best to focus on one or two sections that interest you most. You can rent a wheelchair or electric scooter at the museum if needed.
- Take a **taxi** or **Uber** to visit **Notre-Dame Cathedral**. You can admire the beautiful architecture from outside, and if you're feeling up for it, climb up to the bell tower for an amazing view of Paris.

The second part of the answer also shows the sources from which Bing gleaned the information

Day 3

- Visit **Versailles Palace**. This is a bit outside of Paris, but it's worth it. You can take a taxi or Uber there, or opt for a private day trip with [Paris Tours By Genevieve](#). The palace has beautiful gardens that you can explore by renting an electric cart or wheelchair.
- Visit **Montmartre**. This is a charming neighborhood in Paris that's known for its artistic history. You can take the funicular up to the top of the hill where you'll find the beautiful **Sacré-Cœur Basilica**. From here, you can enjoy panoramic views of Paris.

I hope this itinerary helps! Please let me know if you have any other questions or if there's anything else I can help you with.

Learn more: [1. bing.com](#) [2. paristoursbygenevieve.com](#) [3. discoverwalks.com](#) [+2 more](#)

1 of 4 ●

What else does Microsoft plan for AI ?

Windows Copilot is a new AI-powered feature that will be integrated into Windows 11. It was announced at the Microsoft Surface event on September 22, 2023, and is expected to be released in 2024.

Microsoft 365 Copilot is another new AI-powered feature that was announced on March 16, 2023. It is currently in limited private preview, and is expected to be released to the general public in 2024.

Windows CoPilot

Windows Copilot is designed to be a general-purpose AI companion that can help you with a variety of tasks, such as:

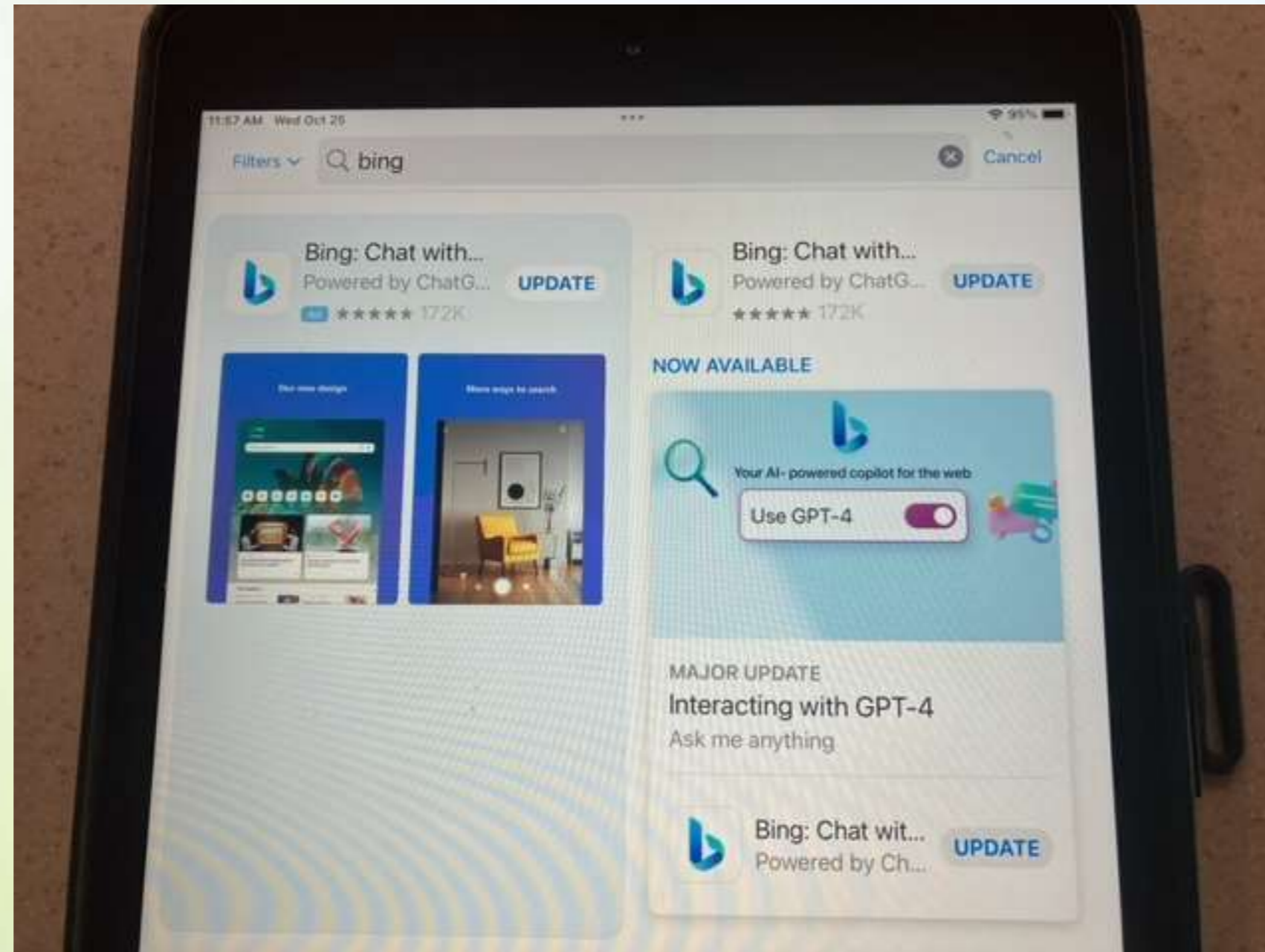
- Answering your questions in a comprehensive and informative way
- Generating different creative text formats of text content, like poems, code, scripts, musical pieces, email, letters, etc.
- Translating languages
- Helping you with your work and studies

Microsoft 365 Copilot

Microsoft 365 Copilot is designed to be a more specific AI assistant for Microsoft 365 users. It can help you with tasks such as:

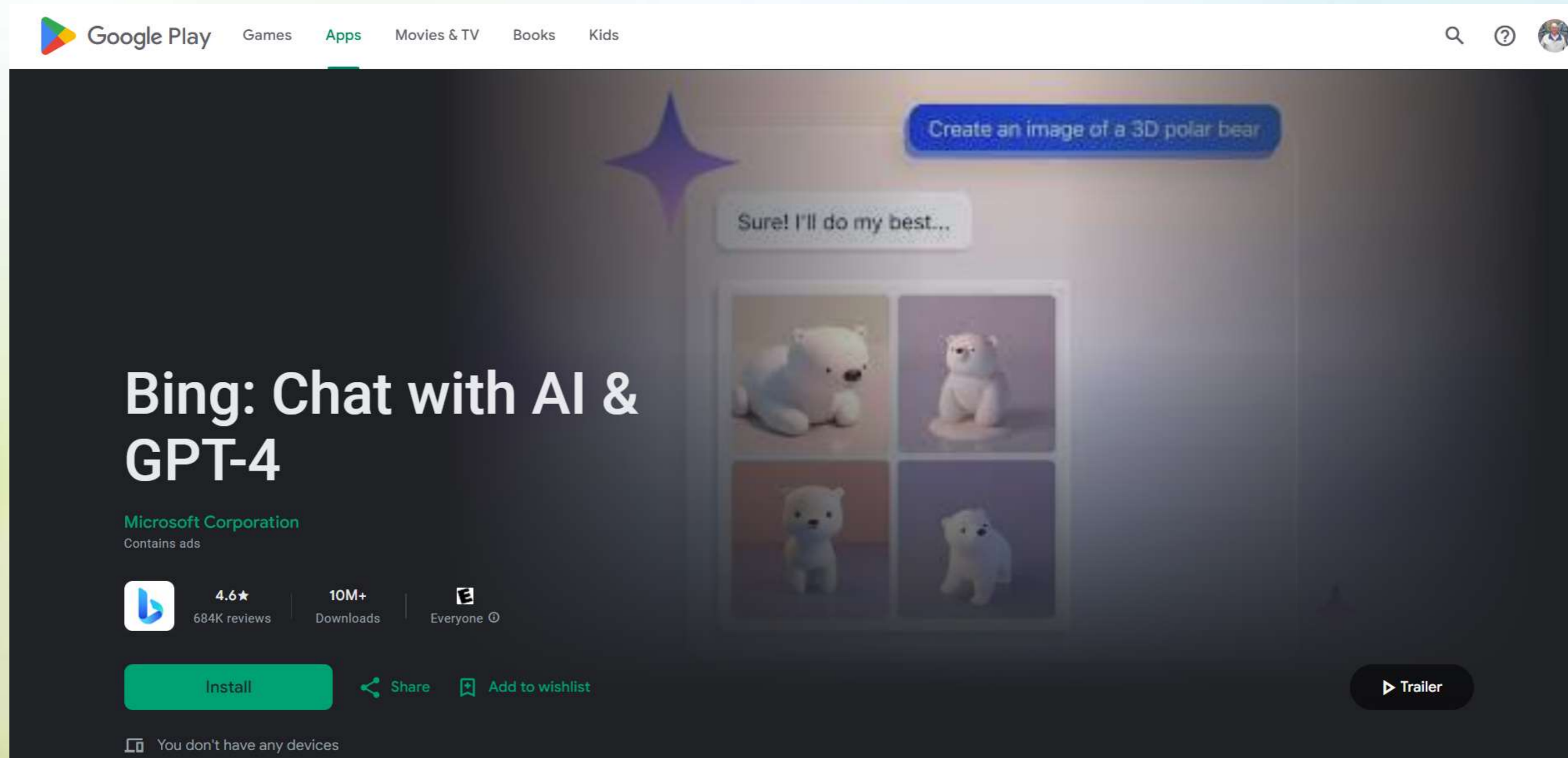
- Creating drafts of content
- Suggesting different ways to word something you've written
- Suggesting and inserting images
- Creating PowerPoint presentations from your Word documents
- Scheduling meetings and sending email

Where can I find Bing Chat ?



It is on the Apple Store

What about Android ?



It Is on the Google Play Store

AI and Photo Editing

The expert on this is Larry Laursen and he will be discussing this in much more detail at the December New Technologies SIG meeting

Since I know so little about this topic, I just go ask the AI tools for help

I ask ChatGPT

ChatGPT

Make a content strategy

for a newsletter featuring free local weekend events

Design a database schema

for an online merch store

Plan a trip

to experience Seoul like a local

Compare business strategies

for transitioning from budget to luxury vs. luxury to bu...

Explain how AI is now used in Photo Editing



ChatGPT gives me a lot of information



Artificial intelligence (AI) has revolutionized the field of photo editing in several ways, making it more accessible and efficient for both professionals and amateurs. Here are some key ways AI is used in photo editing:



1. **Automatic Enhancements:** AI-powered algorithms can automatically enhance photos by adjusting parameters like brightness, contrast, saturation, and sharpness. These enhancements can make a photo look more visually appealing without manual adjustments.
2. **Image Restoration:** AI can be used to restore old or damaged photographs by removing scratches, dust, and other imperfections. It can also colorize black and white photos, bringing them to life.
3. **Background Removal:** AI-powered tools can automatically and accurately remove the background from a photo, making it easier to create product images, portraits, or collages with a transparent or custom background.
4. **Object Recognition:** AI can identify objects or people in a photo, allowing for specific edits or enhancements. This can be used for face recognition, identifying landmarks, or categorizing images.

More from ChatGPT

5. **Portrait Enhancement:** AI-driven portrait editing tools can automatically retouch faces, remove blemishes, adjust skin tone, and enhance eyes or smiles. They can also simulate professional lighting effects.
6. **Style Transfer:** AI can apply the style of famous artworks or photographers to your photos, transforming them into entirely different visual aesthetics.
7. **Noise Reduction:** AI algorithms can reduce noise in photos, which is especially useful in low-light or high ISO settings. This results in cleaner, more detailed images.
8. **Content-Aware Fill:** AI can intelligently fill in gaps or extend backgrounds by analyzing the existing content and seamlessly generating new pixels to blend with the surroundings.
9. **Automatic Tagging and Organization:** AI can analyze photos and automatically generate descriptive tags or categorize images based on their content. This makes it easier to search and manage large photo collections.
10. **Deep Learning-Based Filters:** AI-driven filters can apply various artistic and creative effects to photos, such as turning a photo into a painting, a sketch, or a comic book style illustration.


Even more from ChatGPT

11. Smart Cropping and Composition: AI can suggest cropping and composition improvements to make photos more visually appealing. It can detect the main subject and recommend framing adjustments.
12. Object Removal and Cloning: AI can remove unwanted objects or people from photos and fill in the gaps seamlessly, creating a cleaner and more focused image.
13. Super-Resolution: AI can increase the resolution and sharpness of low-resolution images, making them suitable for larger prints or high-quality displays.
14. Custom Filters and Styles: AI-powered tools allow users to create custom filters or styles based on their preferences, enabling unique and consistent looks across a set of photos.
15. Facial Recognition and Tagging: AI can recognize faces in photos and help organize them, allowing for easy tagging and sorting of images based on the people in them.

I ask Bard – who is a little less wordy than ChatGPT



Explain how AI is now used for photo editing

View other drafts 



AI (artificial intelligence) is now used for photo editing in a variety of ways, including:

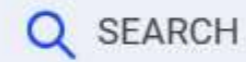
- **Automatic photo enhancement:** AI can be used to automatically improve the quality of photos, such as by adjusting the brightness, contrast, and saturation. AI can also be used to remove noise and artifacts from photos.
- **Object removal and replacement:** AI can be used to remove unwanted objects from photos, such as people, animals, or clutter. AI can also be used to replace objects in photos, such as changing the background or adding new elements.
- **Image restoration:** AI can be used to restore old or damaged photos, such as by repairing tears, scratches, and discoloration. AI can also be used to colorize black-and-white photos.
- **Creative photo editing:** AI can be used to create new and creative effects in photos, such as changing the style of a photo, or adding new elements to a photo. AI can also be used to generate new photos from scratch, based on a text prompt.

And More from Bard

Here are some specific examples of how AI is used for photo editing in popular software applications:

- **Adobe Photoshop:** Photoshop uses AI to power a variety of features, such as the Select and Mask tool, the Object Selection Tool, and the Sky Replacement tool. Photoshop also has a new feature called Adobe Neural Filters, which provides a variety of AI-powered effects for photos, such as the Liquify Portrait filter, the Style Transfer filter, and the Super Zoom filter.
- **Canva:** Canva uses AI to power a variety of features, such as the Background Remover tool, the Magic Resize tool, and the Photo Enhancer tool. Canva also has a new feature called AI Design Assistant, which can help users to design graphics and videos with the help of AI.
- **Pixlr:** Pixlr uses AI to power a variety of features, such as the AI Photo Restoration tool, the AI Background Remover tool, and the AI Style Transfer tool. Pixlr also has a new feature called AI Photo Enhancer, which can automatically improve the quality of photos with a single click.

Now Bing will weigh in on this subject



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Explain how AI is now used in Photo Editing

Now Bing will weigh in on this subject

AI has revolutionized the field of photo editing by automating repetitive and time-consuming tasks, reducing human error, and enabling users to achieve superior results. AI-powered photo editors use machine learning algorithms to analyze images and identify areas that need improvement. They can then apply a range of enhancements such as color correction, noise reduction, sharpening, and more. AI can also be used to remove unwanted objects from images, replace backgrounds, and even add new elements to an image.

Bing is much more concise than the other AI tools

AI photo editors are now widely available and are being used by both amateur and professional photographers. Some popular AI photo editors include **Canva**, **Adobe Photoshop**, **Luminar Neo**, **Pixlr**, and **BeFunky** ¹ ² ³ ⁴ ⁵. These tools offer a range of features such as Magic Edit, Magic Eraser, and AI Image Generator that make complex edits simple with just a few clicks.

The future of AI in photo editing is bright. As AI technology continues to evolve, we can expect to see even more advanced features that will make photo editing faster, easier, and more accessible than ever before.

Remember earlier I asked ChatGPT to write a poem

Popular Cruise Ports: Miami

Yesterday

New chat

Previous 30 Days

Windows 11 Taskbar Customi

OneDrive: Backup and Sharin

OneDrive Backup: Pros & Con

New chat

September

New chat

Windows 11 narrator purpose

New chat

August

Upgrade to Plus

TO tomshepherdaz@gmail ...

ChatGPT

Plan a trip

to explore the rock formations in Cappadocia, Turkey

Suggest fun activities

for a family of 4 to do indoors on a rainy day

Compare storytelling techniques

in novels and in films

Brainstorm names

for a non-alcoholic cocktail with Coke and pomegrana...

Write a short poem in a funny way that describes life in a retirement community



Free Research Preview. ChatGPT may produce inaccurate information about people, places, or facts. [ChatGPT September 25 Version](#)

And it came back with this?



In a retirement village, life's a hoot,
Where golden-agers put on quite a show.
Golf carts race at a snail's pace,
And bingo night's the prime-time race!

They gather 'round for early bird,
In polyester pants, it's quite absurd.
Social hours start at half past three,
The gossip flows like herbal tea.

Walking groups in matching caps,
Share tales of their latest mishaps.
Hearing aids, they're all the rage,
As residents jive on the senior stage.

Bridge and shuffleboard, games galore,
Grandkids visit, and they beg for more.
Napping's an art, it's well-respected,
Life's quite unique and quite well-connected.



Village Fu

ruise Ports: Miami

Taskbar Customi

Backup and Sharin

Backup: Pros & Con

narrator purpose

**I can ask ChatGPT to write that same poem , but as
Robert Frost would have**

Write a short poem in a funny way that describes life in a retirement community, in the style of Robert Frost

Here that is



Whose woods these are, I think I know,
In a retirement community, where folks are slow.
They've hung up their tools, their working days done,
And now they seek a slower kind of fun.

They shuffle through the common room,
With canes and walkers, not a hint of gloom.
They gather 'round for bingo night,
Competing fiercely for a prize so bright.

The mail comes early, the newspapers too,
No need to rush, there's nothing to pursue.
The golf carts line up in neat array,
For a leisurely round to brighten the day.

**There are some big challenges that arise with
AI**



I asked ChatGPT for the seven most important challenges facing AI and put that in one slide as bullet points

ChatGPT

Tell me a fun fact
about the Roman Empire

Recommend activities
for a team-building day with remote employees

Compare business strategies
for transitioning from budget to luxury vs. luxury to bu...

Suggest fun activities
to do indoors with my high-energy dog

create a slide with no more than seven bullet points that describes the most important challenges facing AI in 2023 and in the future

>

It comes back with this



Slide Title: Key Challenges in AI (2023 and Beyond)



Bullet Points:

1. Ethical and Bias Concerns

- Ensuring AI systems are fair, unbiased, and adhere to ethical guidelines.
- Mitigating bias in data and algorithms to prevent discriminatory outcomes.

2. Data Privacy and Security

- Protecting sensitive data used by AI systems from breaches and misuse.
- Developing robust methods for anonymization and encryption of data.

3. Explainability and Transparency

- Making AI models more interpretable to enhance trust and accountability.
- Meeting regulatory requirements for AI system transparency.

It comes back with this

4. Generalization and Adaptability

- Improving AI's ability to generalize from limited data and adapt to new situations.
- Reducing the need for massive amounts of training data.

5. Regulatory and Legal Frameworks

- Navigating complex and evolving AI regulations globally.
- Complying with legal requirements while innovating in AI.

6. AI in Cybersecurity

- Addressing the increasing use of AI by malicious actors in cyberattacks.
- Developing AI-driven defenses to protect against emerging threats.

7. AI and Employment Disruption


- Managing the impact of AI on the job market and workforce.
- Facilitating reskilling and upskilling to prepare for AI-driven changes.

I asked Bard the same



Create a slide with no more than seven bullet points that describes the most important challenges facing AI in 2023 and in the future



View other drafts 






Slide title: Most important challenges facing AI in 2023 and in the future

Bullet points:

- **Bias and fairness:** AI systems can learn and reflect the biases present in the data they are trained on, leading to unfair or discriminatory outcomes.
- **Explainability:** It can be difficult to understand how AI systems make decisions, which can limit their trustworthiness and transparency.
- **Scalability:** Training and deploying AI models can require significant computing resources, which can be a barrier to adoption for many organizations.
- **Safety and security:** AI systems can be vulnerable to hacking and other attacks, which could lead to serious consequences.
- **Privacy and data security:** AI systems often handle large amounts of sensitive data, and it is important to protect this data from unauthorized access or misuse.
- **Workforce impact:** As AI becomes more sophisticated and automated, it is important to consider the impact on the workforce and ensure that people are able to adapt to the changing landscape.
- **Ethical alignment:** As AI becomes more powerful and ubiquitous, it is important to ensure that AI systems are aligned with human values and used for good.

And then Bing

  SEARCH  **CHAT**

Let's learn together. Bing is powered by AI that can understand and generate text and images, so surprises and mistakes are possible. Make sure to check the facts, and [share feedback](#) so we can learn and improve!


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Choose a conversation style



More
Creative

**More
Balanced**

More
Precise



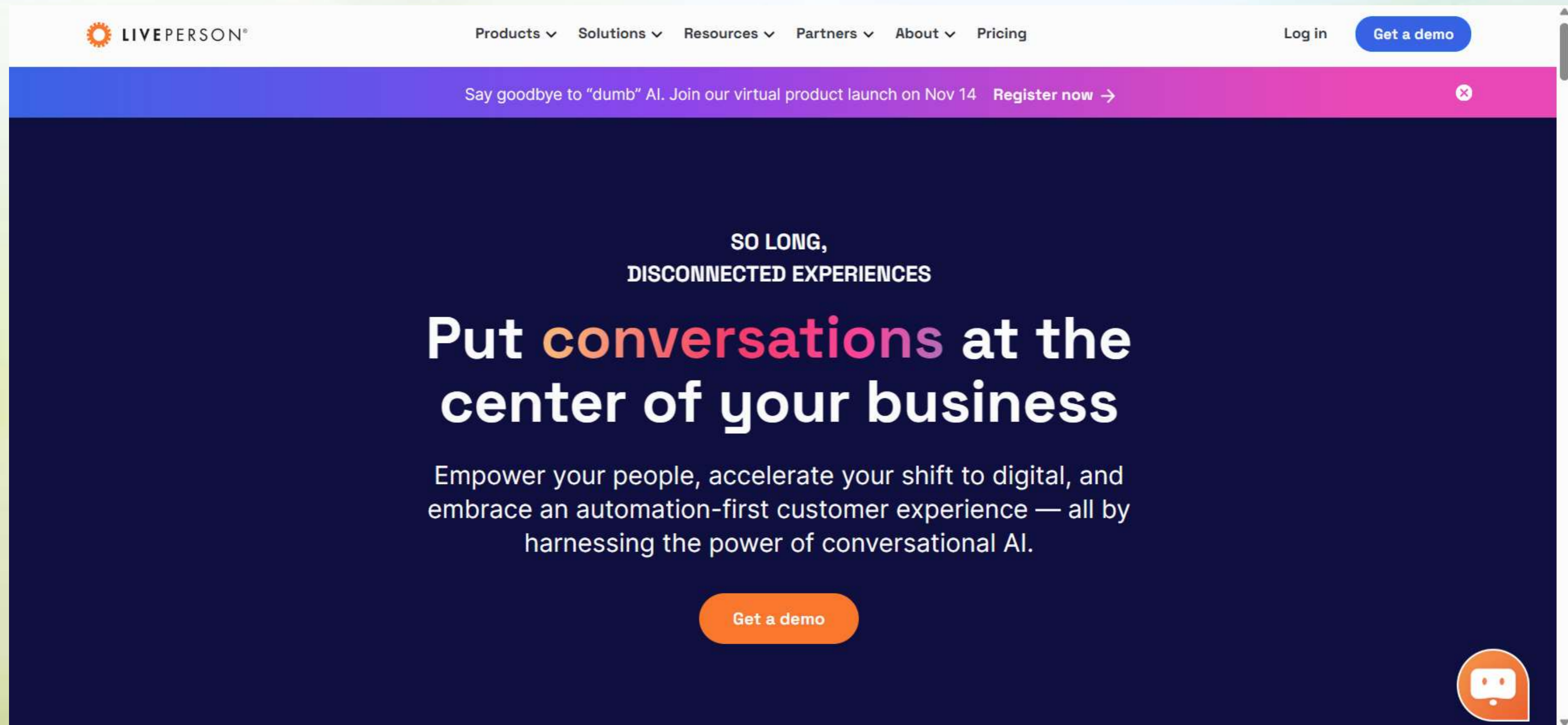
create a slide with no more than seven bullet points that describes the most important challenges facing AI in 2023 and in the future

 134/2000 


And then Bing

1. **Ethical concerns:** As AI continues to become more integrated into our daily lives, ethical concerns surrounding its use are becoming increasingly important. These concerns include issues such as privacy, bias, and transparency ⁵.
2. **Misinformation and disinformation:** With the rise of deepfakes and other forms of AI-generated content, it is becoming increasingly difficult to distinguish between real and fake information. This has significant implications for areas such as journalism and politics ⁵.
3. **Job displacement:** As AI becomes more advanced, there is a growing concern that it will lead to job displacement across a wide range of industries ⁵.
4. **Data privacy:** With the increasing amount of data being collected by AI systems, there is a growing concern about how this data is being used and who has access to it ⁵.

Here is an example of the kind of products that software companies are now offering that leverage AI



This is an AI oriented tool from “LIVEPERSON” that is oriented for support desks for customers



Products ▾ Solutions ▾ Resources ▾ Partners ▾ About ▾ Pricing

Log in [Get a demo](#)

Say goodbye to “dumb” AI. Join our virtual product launch on Nov 14 [Register now](#) →

SELF-GUIDED DEMO


Unlock the power of conversational AI

In this demo, we'll guide you through a 5-step journey, showing you how easy it is to launch a self-service bot with generative AI. Take the first step towards reducing costs and meeting customer needs with our award-winning Conversational AI platform, Conversational Cloud®.

- Train AI to understand your customers
- Upload your brand's content
- Create a self-service bot
- Manage AI-powered conversations with agents
- Measure AI performance

[Get a demo](#)

This is an AI writing tool - Grammarly




Log inGet Grammarly It's free


Personalized AI, Everywhere You Write


Instantly generate clear, compelling writing while maintaining your unique voice.

Sign up It's free

 Sign up with Google

By signing up, you agree to the [Terms and Conditions](#) and [Privacy Policy](#).
California residents, see our [CA Privacy Notice](#).





1. Introduction: Overview and goals of the project


2. Project Scope: Stakeholders, objectives, deliverables


3. Resources: Resources required to complete the project


4. Risks and Challenges: Define the risk management plan.

Insert

Tell us to...







The app can be downloaded for Windows

Thanks, Tom!

Here's the Grammarly app.



Grammarly for Windows

Works in **Gmail** and thousands of apps and websites.

Get Grammarly for Windows

By downloading Grammarly for Windows, you agree to the [Terms and Conditions](#) and [Privacy Policy](#). California residents, see our [CA Privacy Notice](#).

Here is an example of Grammarly

app.grammarly.com/ddocs/2242457894

Untitled document

Type or paste (Ctrl+V) your text here or [upload](#) a document.

Neutral

100 prompts

Set your voice

Choose how you want your generated text to sound.

Set voice

Ideas for you

Generate ideas for a blog post

Write a project progress report

Brainstorm some thought-provoking questions

More

Tell us to...

Start with a prompt

Choose a suggested prompt, or type your own to get started. You'll get 100 each month.

B

I

U

H1

H2

0 words

HIDE ASSISTANT

Overall score

Goals

GrammarlyGO

All suggestions

Correctness

Clarity

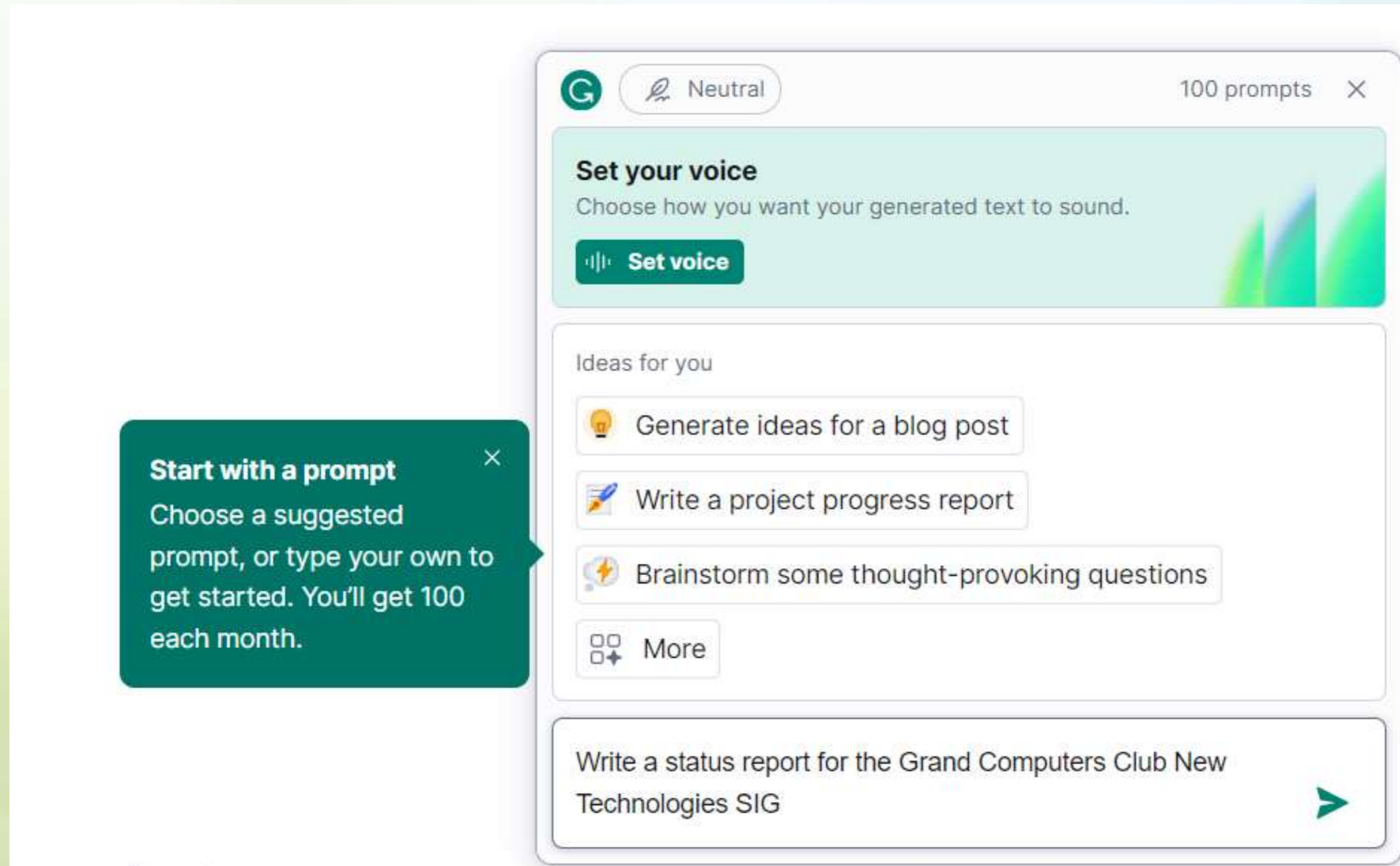
Engagement

Delivery

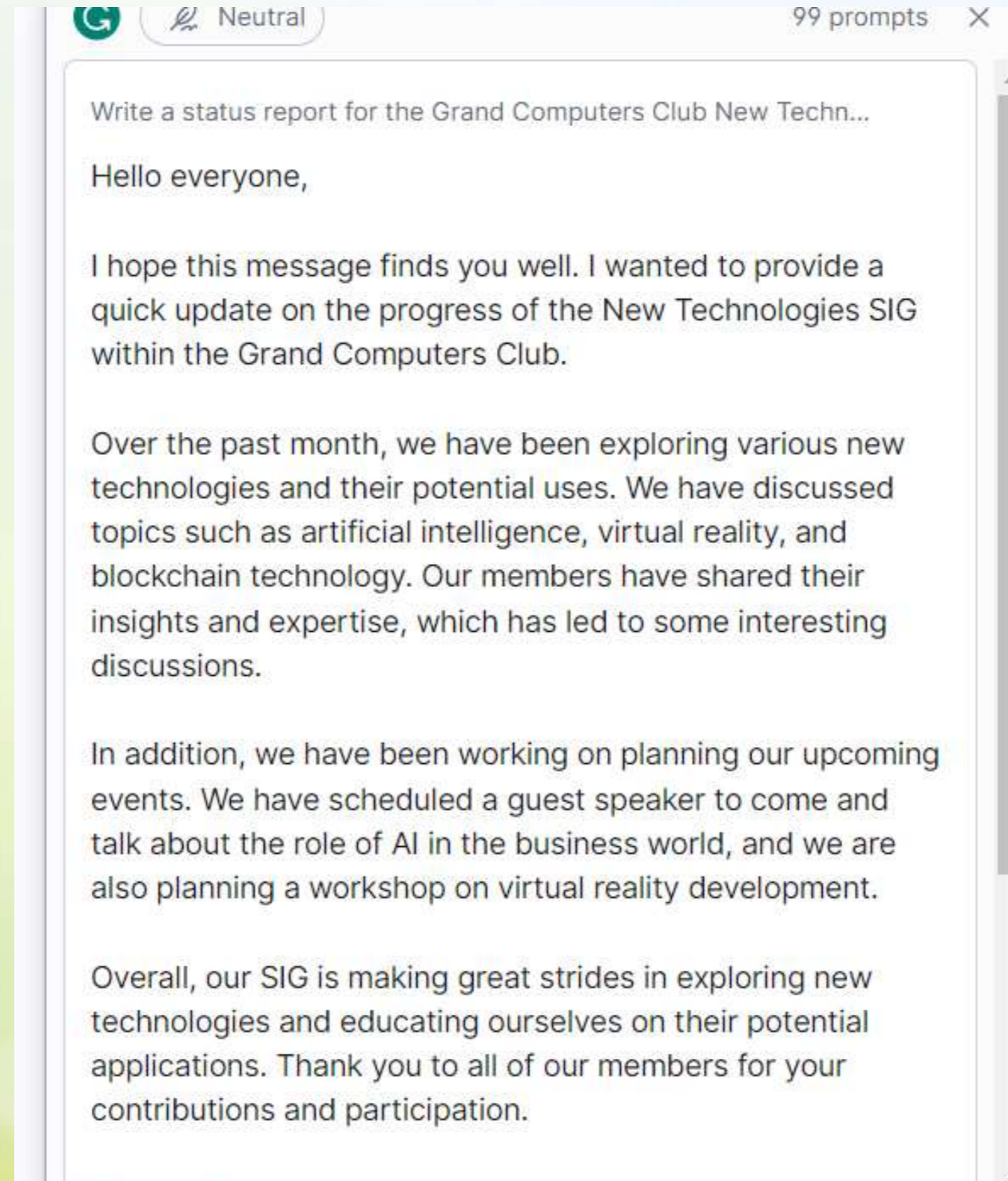
Get Expert Writing Help

Plagiarism

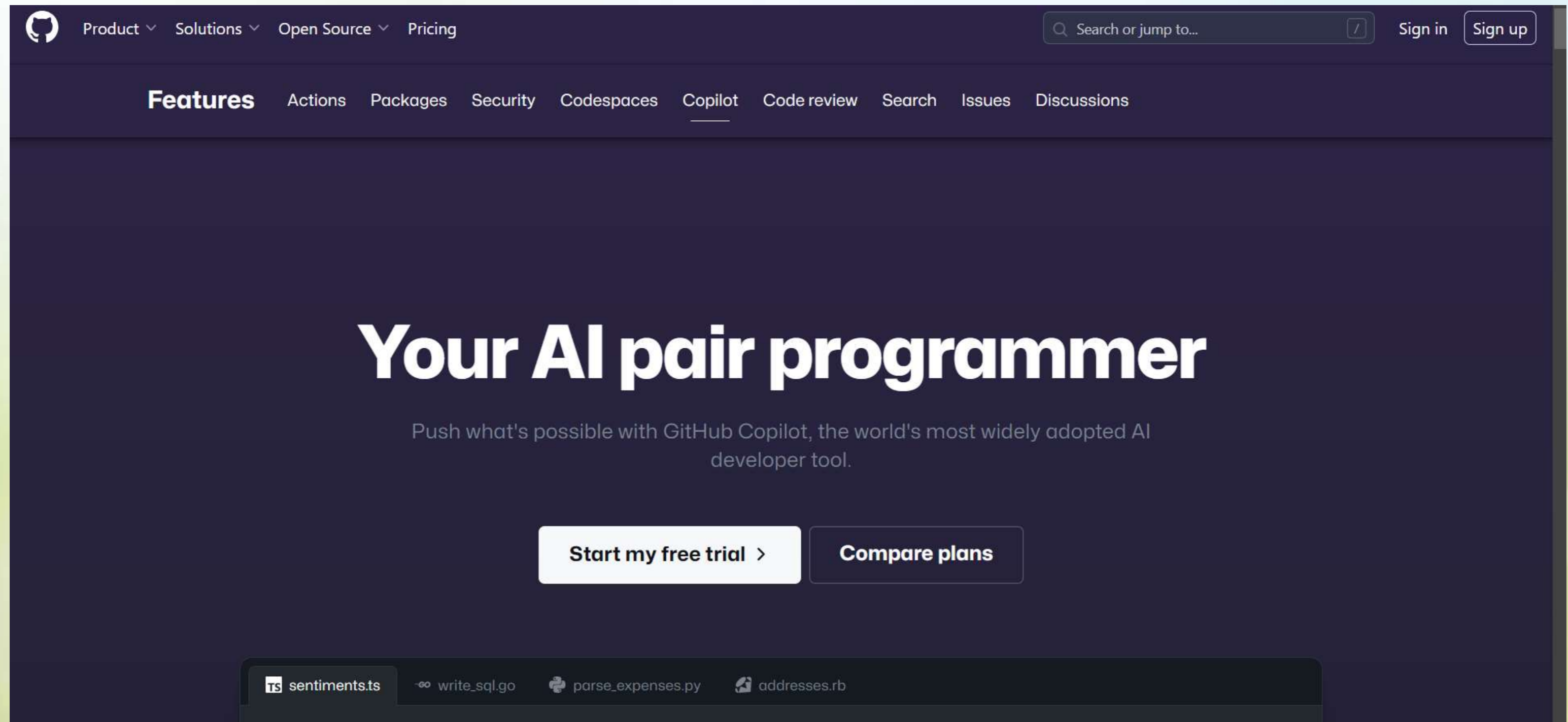
I ask Grammarly to write a status report for the Grand Computers Club New Technologies SIG



Here is what it came up with



GitHub has been a prominent technology for coding



It now has an AI capability that will generate code

Here is some info about how it works

GitHub Copilot is a popular AI code generation tool that can be used to generate code in a variety of programming languages, including Python, Java, JavaScript, and C++. It is integrated with GitHub and other popular code editors, making it easy to use.

Here is an example of how to use GitHub Copilot to generate code:

1. Open your code editor and start typing code. GitHub Copilot will suggest code completions and snippets based on the context of your code.
2. To accept a suggestion, press Tab or Enter. To reject a suggestion, press Esc.
3. GitHub Copilot can also generate code from natural language prompts. To do this, type a natural language prompt into a comment and GitHub Copilot will generate code based on your prompt.

Here is an example

Write a HTML code for a simple web page with a heading and a paragraph.

GitHub Copilot will generate the following HTML code:

HTML

```
<!DOCTYPE html>
<html>
<head>
  <title>My Web Page</title>
</head>
<body>
  <h1>This is my web page!</h1>
  <p>This is a paragraph on my web page.</p>
</body>
</html>
```

Use code with caution. [Learn more](#)

That's it for now

Any questions ?

