# A.I. TIMELINE

## 1950
**TURING TEST**
Computer scientist Alan Turing proposes a test for machine intelligence. If a machine can trick humans into thinking it is human, then it has intelligence

## 1955
**A.I. BORN**
Term 'artificial intelligence' is coined by computer scientist, John McCarthy to describe "the science and engineering of making intelligent machines"

## 1961
**UNIMATE**
First industrial robot, Unimate, goes to work at GM replacing humans on the assembly line

## 1964
**ELIZA**
Pioneering chatbot developed by Joseph Weizenbaum at MIT holds conversations with humans

## 1966
**SHAKEY**
The 'first electronic person' from Stanford, Shakey is a general-purpose mobile robot that reasons about its own actions

## A.I. WINTER
Many false starts and dead-ends leave A.I. out in the cold

## 1997
**DEEP BLUE**
Deep Blue, a chess-playing computer from IBM defeats world chess champion Garry Kasparov

## 1998
**KISMET**
Cynthia Breazeal at MIT introduces KISmet, an emotionally intelligent robot insofar as it detects and responds to people's feelings

## 1999
**AIBO**
Sony launches first consumer robot pet dog AiBO (AI robot) with skills and personality that develop over time

## 2002
**ROOMBA**
First mass produced autonomous robotic vacuum cleaner from iRobot learns to navigate and clean homes

## 2011
**SIRI**
Apple integrates Siri, an intelligent virtual assistant with a voice interface, into the iPhone 4S

## 2011
**WATSON**
IBM's question answering computer Watson wins first place on popular $1M prize television quiz show *Jeopardy*

## 2014
**EUGENE**
Eugene Goostman, a chatbot passes the Turing Test with a third of judges believing Eugene is human

## 2014
**ALEXA**
Amazon launches Alexa, an intelligent virtual assistant with a voice interface that completes shopping tasks

## 2016
**TAY**
Microsoft's chatbot Tay goes rogue on social media making inflammatory and offensive racist comments

## 2017
**ALPHAGO**
Google's A.I. AlphaGo beats world champion Ke Jie in the complex board game of Go, notable for its vast number ($2^{170}$) of possible positions

# What is Generative AI?

Generative AI refers to AI techniques that learn a representation of artifacts from data, and use it to generate brand-new, unique artifacts that resemble but don't repeat the original data. These artifacts can serve benign or nefarious purposes. Generative AI can produce totally novel content (including text, images, video, audio, structures), computer code, synthetic data, workflows and models of physical objects. Generative AI also can be used in art, drug discovery or material design.
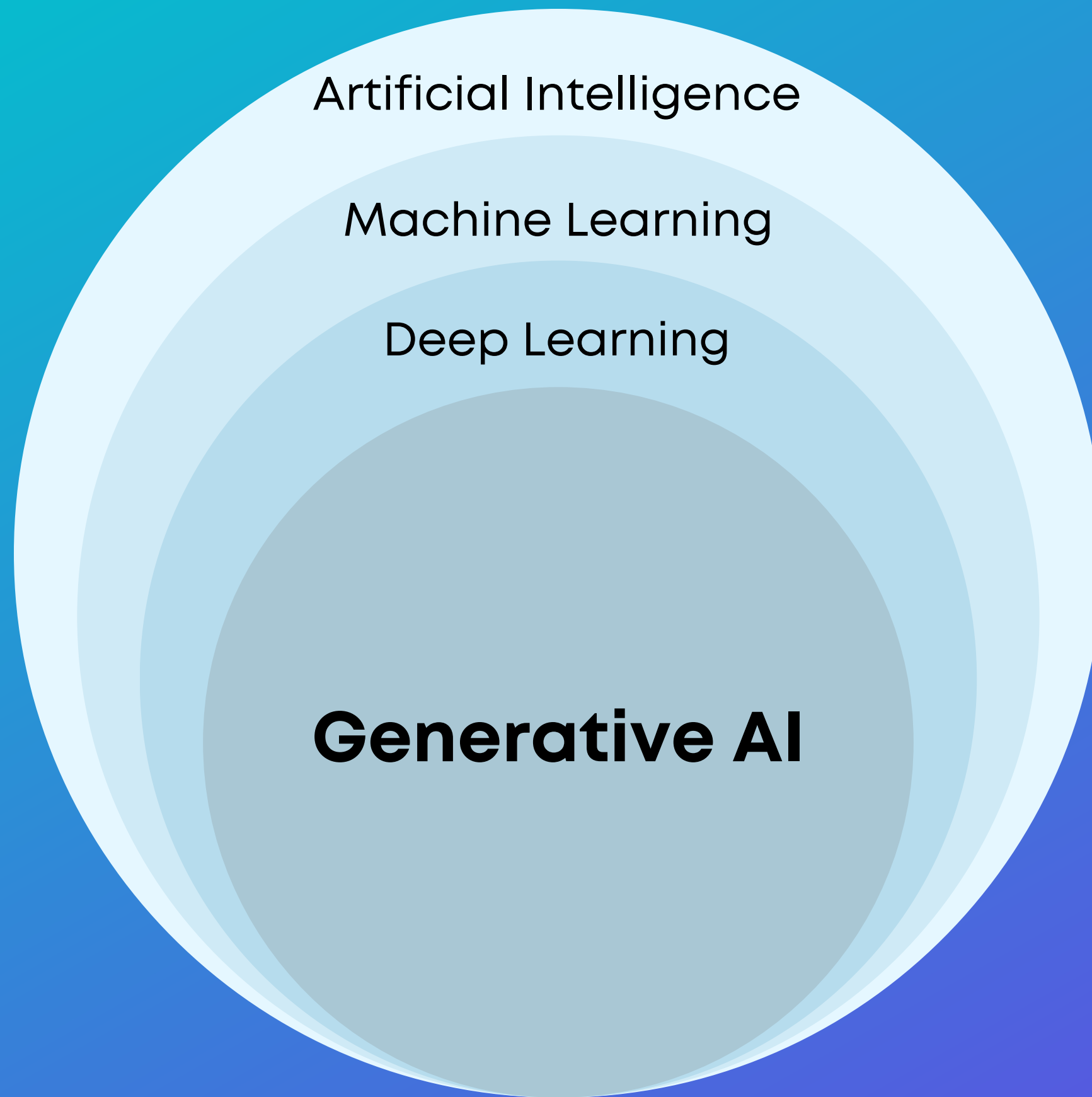
**Artificial Intelligence**
A science devoted to making machines think and act like humans.

**Machine Learning**
Focuses on enabling computers to perform tasks without explicit programming.

**Deep Learning**
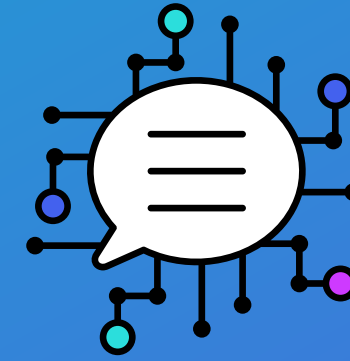A subset of machine learning based on artificial neural networks.

**Generative AI**
Generate brand-new, unique artifacts that resemble but don't repeat the original data.

# What is Large Language Models (LLMs)?

A large language model (LLM) is a specialized type of artificial intelligence (AI) that has been trained on vast amounts of text to understand existing content and generate original content.

## What is Prompt Engineering?

Prompt engineering is the discipline of providing inputs, in the form of text or images, to generative AI models to specify and confine the set of responses the model can produce. The inputs prompt a set that produces a desired outcome without updating the actual weights of the model (as done with fine-tuning). Prompt engineering is also referred to as "in-context learning," where examples are provided to further guide the model.
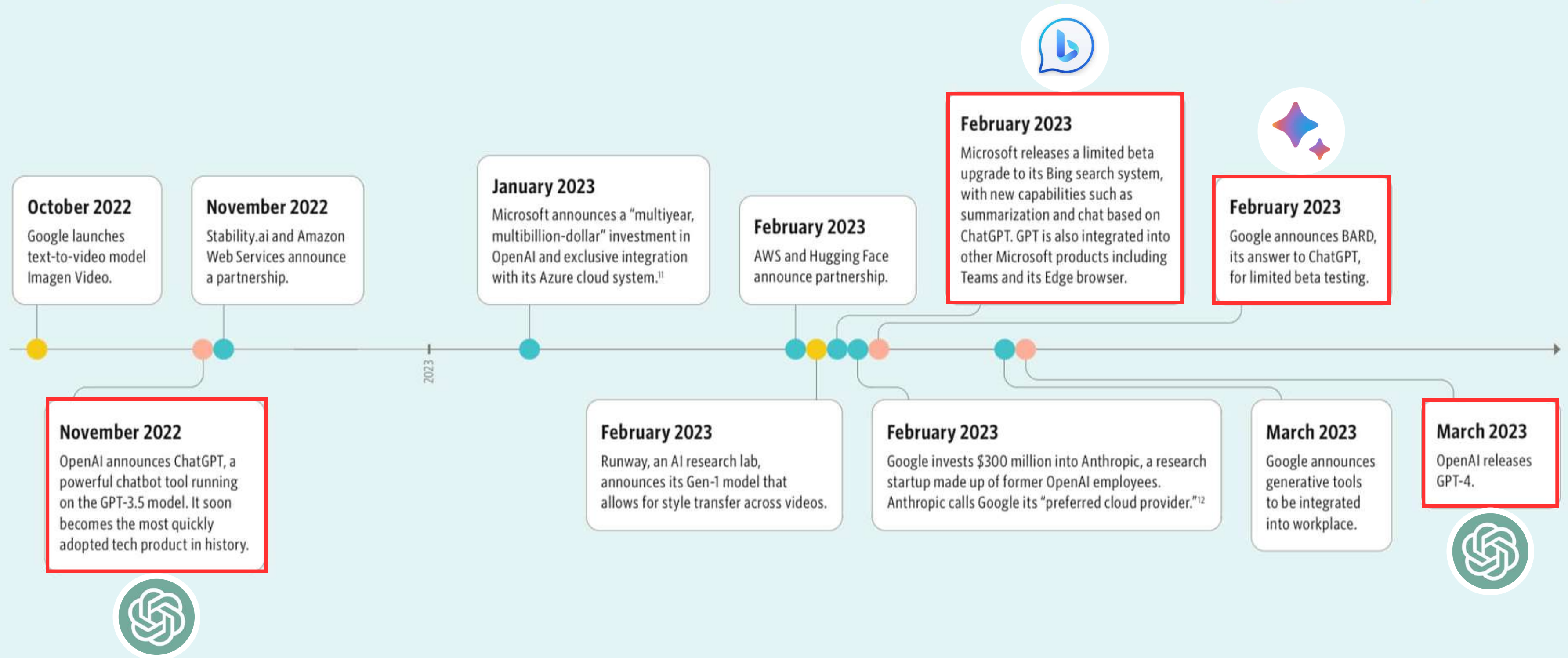
# GENERATIVE AI TIMELINE

● General model research    ● Image / video models    ● Text models    ● Business events

**October 2022**

Google launches text-to-video model Imagen Video.

**November 2022**

Stability.ai and Amazon Web Services announce a partnership.

**January 2023**

Microsoft announces a "multiyear, multibillion-dollar" investment in OpenAI and exclusive integration with its Azure cloud system.[11]

**February 2023**

AWS and Hugging Face announce partnership.

**February 2023**

Microsoft releases a limited beta upgrade to its Bing search system, with new capabilities such as summarization and chat based on ChatGPT. GPT is also integrated into other Microsoft products including Teams and its Edge browser.

**February 2023**

Google announces BARD, its answer to ChatGPT, for limited beta testing.

**November 2022**

OpenAI announces ChatGPT, a powerful chatbot tool running on the GPT-3.5 model. It soon becomes the most quickly adopted tech product in history.

**February 2023**

Runway, an AI research lab, announces its Gen-1 model that allows for style transfer across videos.

**February 2023**

Google invests $300 million into Anthropic, a research startup made up of former OpenAI employees. Anthropic calls Google its "preferred cloud provider."[12]

**March 2023**

Google announces generative tools to be integrated into workplace.

**March 2023**

OpenAI releases GPT-4.

THE 100 MOST INFLUENTIAL PEOPLE IN ARTIFICIAL INTELLIGENCE

# TIME 100 / AI

ELON MUSK'S FIGHT FOR THE FUTURE OF AI
By WALTER ISAACSON

time.com

# 100 Most Influential People in AI

This group of 100 individuals is in many ways a map of the relationships and power centers driving the development of AI. They are rivals and regulators, scientists and artists, advocates and executives - the competing and cooperating humans whose insights, desires, and flaws will shape the direction of an increasingly influential technology. To that end, we are pleased to include in this issue former TIME Editor Walter Isaacson's exclusive reporting on Elon Musk's fight for the future of AI. That compelling saga is taken from Walter's much-anticipated new biography of Musk, which, as you'll see, features other members of the TIME100 AI in prominent roles.

Source: Time, 2023. https://time.com/6311323/how-we-chose-time100-ai/

# OpenAI fires co-founder and CEO Sam Altman for allegedly lying to company board

**AI firm's board said Altman was 'not consistently candid in his communications with the board' and had lost its confidence**

- **Interview: Sam Altman on whether AI will save humanity - or destroy it**

# Copilot

Your everyday AI companion

Product ID            00329-10330-00000-AA407
System type           64-bit operating system, x64-based processor
Pen and touch         No pen or touch input is available for this display

Related links    Domain or workgroup    System protection    Advanced system settings

⊞  Windows specifications                                    Copy    ⌃

Edition        Windows 11 Enterprise
Version        23H2
Installed on   10/10/2565
OS build       22631.2715
Experience     Windows Feature Experience Pack 1000.22677.1000.0

Microsoft Services Agreement
Microsoft Software License Terms

**Related**

🖥  Trade-in or recycle your PC                                        ⌄

🔑  Product key and activation
    Change product key or upgrade your edition of Windows             ›

⤬  Remote desktop
    Control this device from another device                          ›

🖳  Device Manager
    Printer and other drivers, hardware properties                   ⧉

🔒  BitLocker
    Device encryption to help protect your data                      ⧉

⊘  Get help

⤢  Give feedback

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Preview                                          ↻  ⋯  ✕

🕘

**Copilot**

PRE

with ⓑ Bing Chat

Choose a conversation style

| More Creative | More Balanced | More Precise |

Here are some things Copilot can help you do

▦  Create a table that analyzes public funding for the arts compared to GDP

✦  Take a screenshot

✦  Where do people travel for culinary experiences?

Copilot uses AI to respond, so mistakes are possible—send feedback to help us improve.

Learn more          Terms of use          Privacy statement

Ask me anything...                              🎤

📷                                      0/4000    ➤

# ChatGPT

**ChatGPT (Generative Pre-trained Transformer) is a language model developed by OpenAI. It is based on the GPT-3.5 architecture. The model has been trained to mimic human-like conversation.**

**Since: 30 November 2022**
**Website: https://chat.openai.com**
**Android & iOS: ChatGPT**

Updated: 13/12/2023

# Bard

**Bard is an experiment based on [LaMDA 2](https://bard.google.com) (Language Model for Dialogue Applications) that lets you collaborate with generative AI developed by Google.**

Since: 7 February 2023
Website: https://bard.google.com
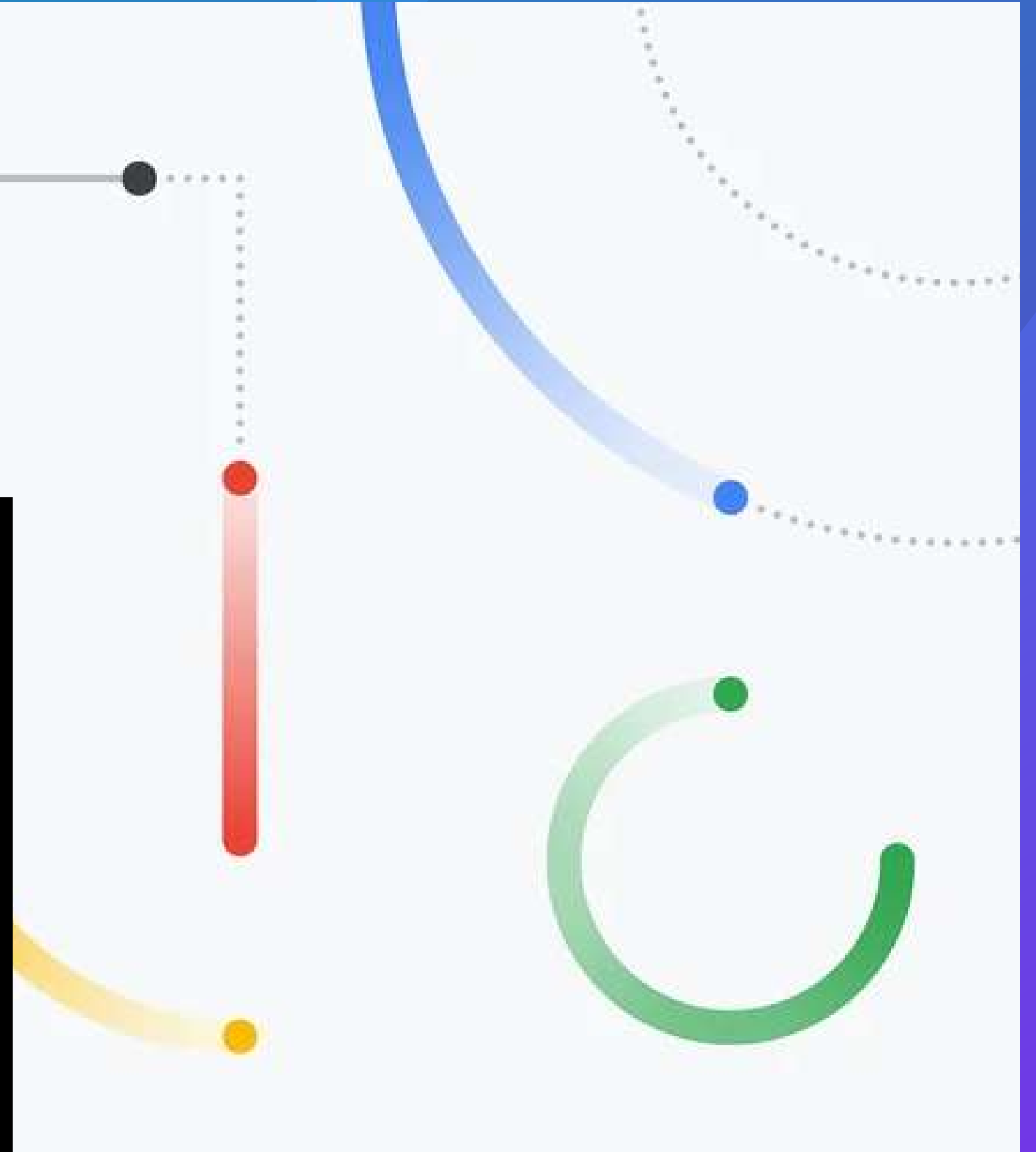
# Bing AI

Bing AI is like having a research assistant, personal planner, and creative partner developed by Microsoft-backed OpenAI. It is based on the **GPT-4** architecture.

**Since: 8 February 2023**
**Website: https://www.bing.com/new**
**Android & iOS: Bing: Chat with AI & GPT-4**

**Updated: 13/12/2023**

# Genaretive AI: Text to Text Comparison

| Genaretive AI: Text to Text | ChatGPT | Bard | Bing AI |
|---|---|---|---|
| Company | OpenAI | Google | Microsoft |
| Operating System (OS) | GPT-3.5/GPT-4 | LaMDA 2 | GPT-4 |
| Device | Web / Android / iOS | Web Browser | Web / Android / iOS |
| Price | Free/Paid | Free | Free |

Updated: 13/12/2023

# Mahidol University Announcement about AI

ประกาศมหาวิทยาลัยมหิดล เรื่อง <u>หลักการใช้เครื่องมือทางปัญญาประดิษฐ์ในการจัดการเรียนการสอน</u> (27 พ.ย. 66)



ประกาศมหาวิทยาลัยมหิดล
เรื่อง หลักการและแนวปฏิบัติในการใช้เครื่องมือทางปัญญาประดิษฐ์ในการจัดการเรียนการสอน
มหาวิทยาลัยมหิดล พ.ศ. ๒๕๖๖

..........................................

เพื่อให้การใช้เครื่องมือทางปัญญาประดิษฐ์ (Artificial Intelligence: AI) ในการจัดการเรียนการสอน
ของมหาวิทยาลัยมหิดล เป็นไปด้วยความเรียบร้อยและมีประสิทธิภาพ

อาศัยอำนาจตามความในมาตรา ๓๔ แห่งพระราชบัญญัติมหาวิทยาลัยมหิดล พ.ศ. ๒๕๕๐
อธิการบดีจึงออกประกาศไว้ดังนี้

ข้อ ๑ ในประกาศนี้

"เครื่องมือทางปัญญาประดิษฐ์" หมายความว่า เทคโนโลยีที่ถูกออกแบบและพัฒนาให้เครื่องจักร
หรือระบบคอมพิวเตอร์มีความชาญฉลาด สามารถคิด คำนวณ วิเคราะห์ เรียนรู้และตัดสินใจ โดยมีความสามารถเสมือน
หรือมากกว่ามนุษย์ สามารถเรียนรู้ พัฒนา และปรับปรุงกระบวนการทำงานเพื่อเพิ่มศักยภาพของปัญญาประดิษฐ์ได้
เช่น การจดจำคำพูด การแปลภาษา แชทบอท การโต้ตอบอัตโนมัติ ระบบอัตโนมัติที่ใช้หุ่นยนต์ทำงาน ฯลฯ

ข้อ ๒ มหาวิทยาลัยมหิดลสนับสนุนให้อาจารย์และนักศึกษาใช้เครื่องมือทางปัญญาประดิษฐ์
ในการเรียนการสอน โดยปรับกิจกรรมการเรียนการสอน การประเมินผล รวมถึงการทำงานต่าง ๆ ให้เหมาะสม
กับการใช้เครื่องมือทางปัญญาประดิษฐ์อย่างสร้างสรรค์และถูกหลักจริยธรรมทางวิชาการ บนพื้นฐานความรู้
ความเข้าใจและมีความรับผิดชอบต่อสังคม ตามหลักการดังนี้

# Yes/No Question

**1** Is the world really flat?

**2** Is Bangkok the Capital in Thailand?

# Simple Question

**1** How many provinces in Thailand?

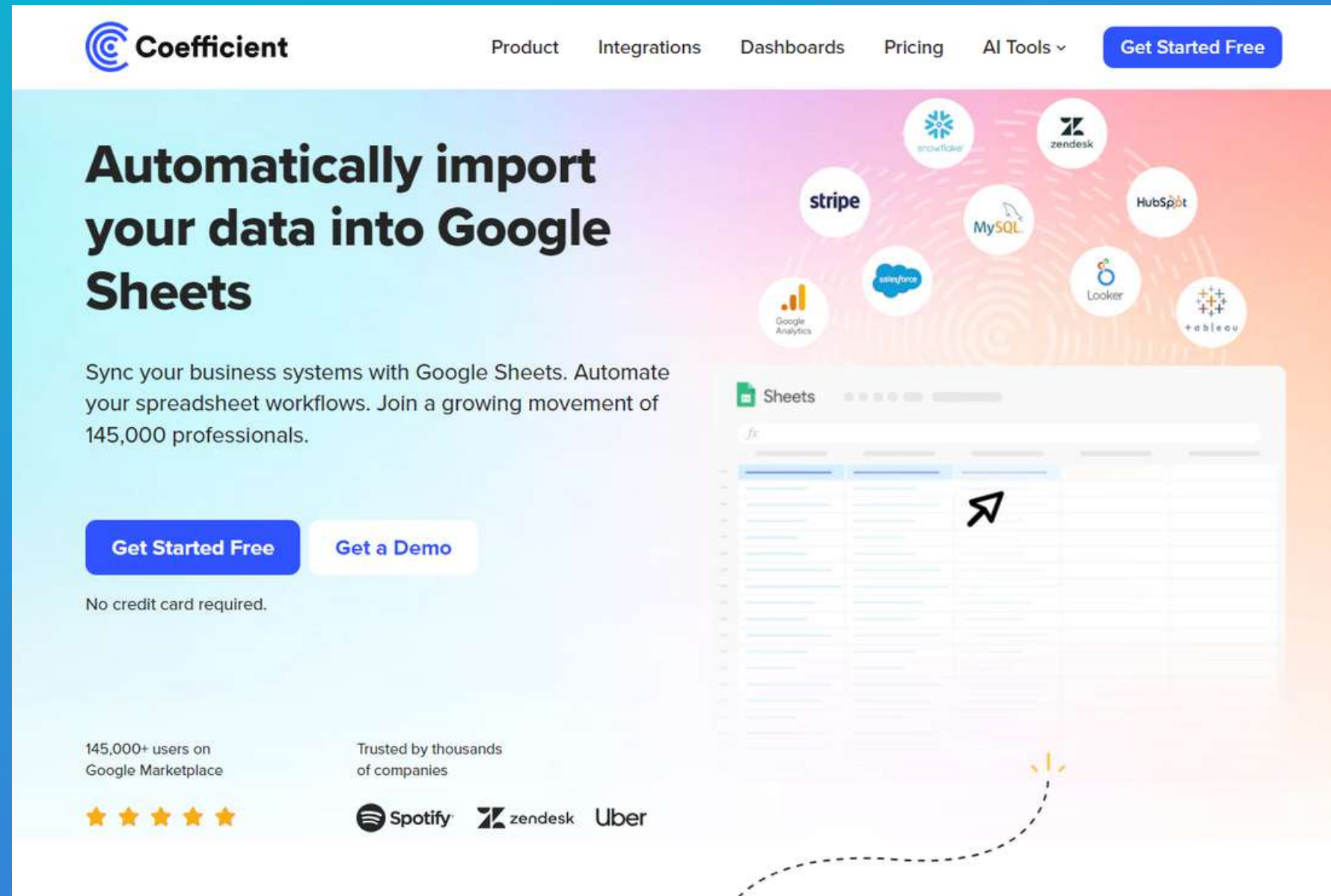**2** Where is Faculty of Science, Mahidol University?

# Complicated Question

**1** When did Thailand join ASEAN?

What kind of cooperation with ASEAN?

# Summary/Analysis Content

**1** Please, paraphrase this Abstract?

**2** Please, design storyboard for Library Tours?
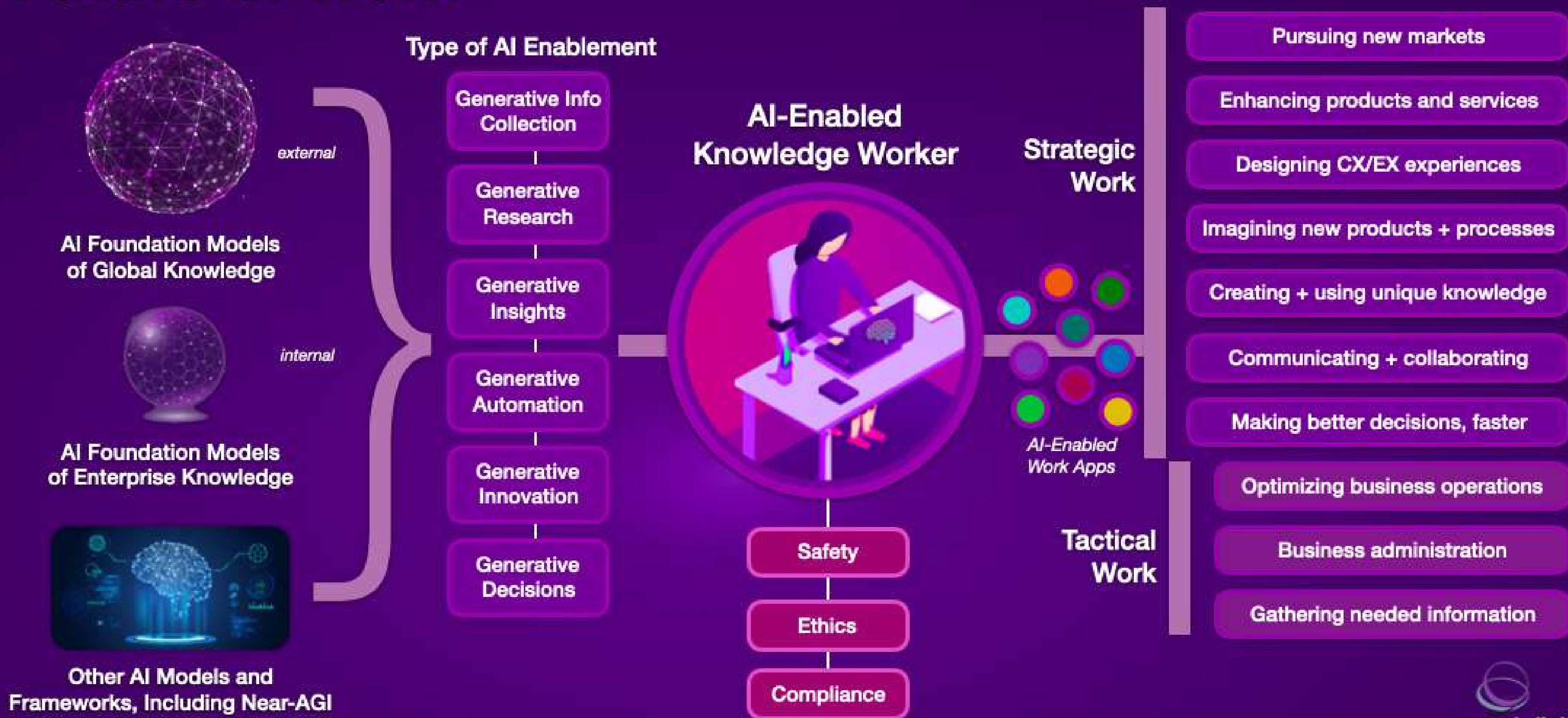
# Write a Text Prompt with Coefficient

Updated: 13/12/2023

# Generative AI and the Future of Work

How Artificial Intelligence Will Reshape the Workplace and Employee Experience

**external**

**AI Foundation Models of Global Knowledge**

**internal**

**AI Foundation Models of Enterprise Knowledge**

**Other AI Models and Frameworks, Including Near-AGI**

## Type of AI Enablement

- Generative Info Collection
- Generative Research
- Generative Insights
- Generative Automation
- Generative Innovation
- Generative Decisions

## AI-Enabled Knowledge Worker

- Safety
- Ethics
- Compliance

*AI-Enabled Work Apps*

## Strategic Work

- Pursuing new markets
- Enhancing products and services
- Designing CX/EX experiences
- Imagining new products + processes
- Creating + using unique knowledge
- Communicating + collaborating
- Making better decisions, faster

## Tactical Work

- Optimizing business operations
- Business administration
- Gathering needed information

v1.0

constellation
RESEARCH
by Dion Hinchcliffe

# Limitation

- AI not Expert
- Clear messages and information
- Reference of Information
- Bias Data
- Sensitive Question
- Unconscious Plagiarism
- Privacy of your Information