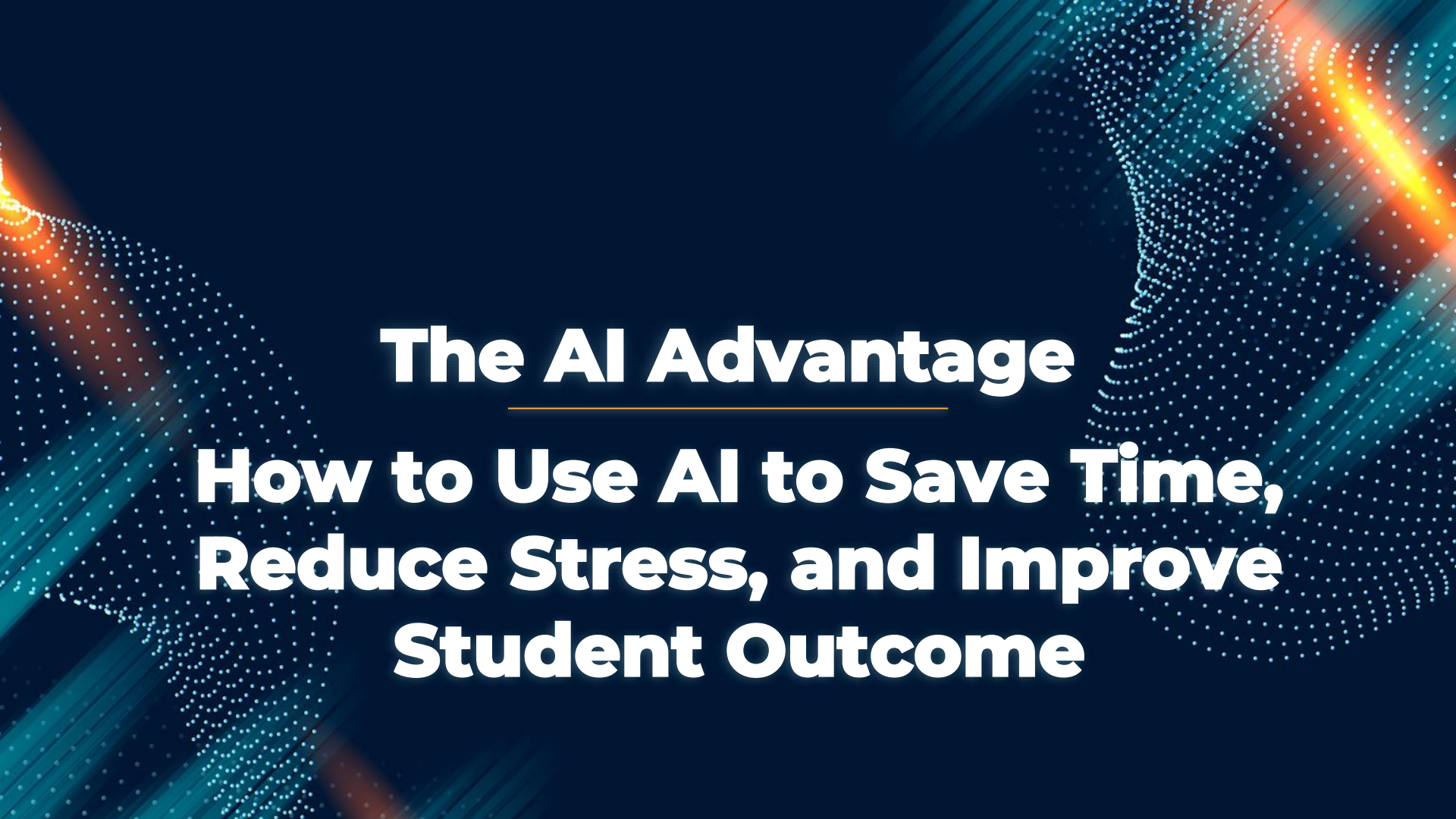
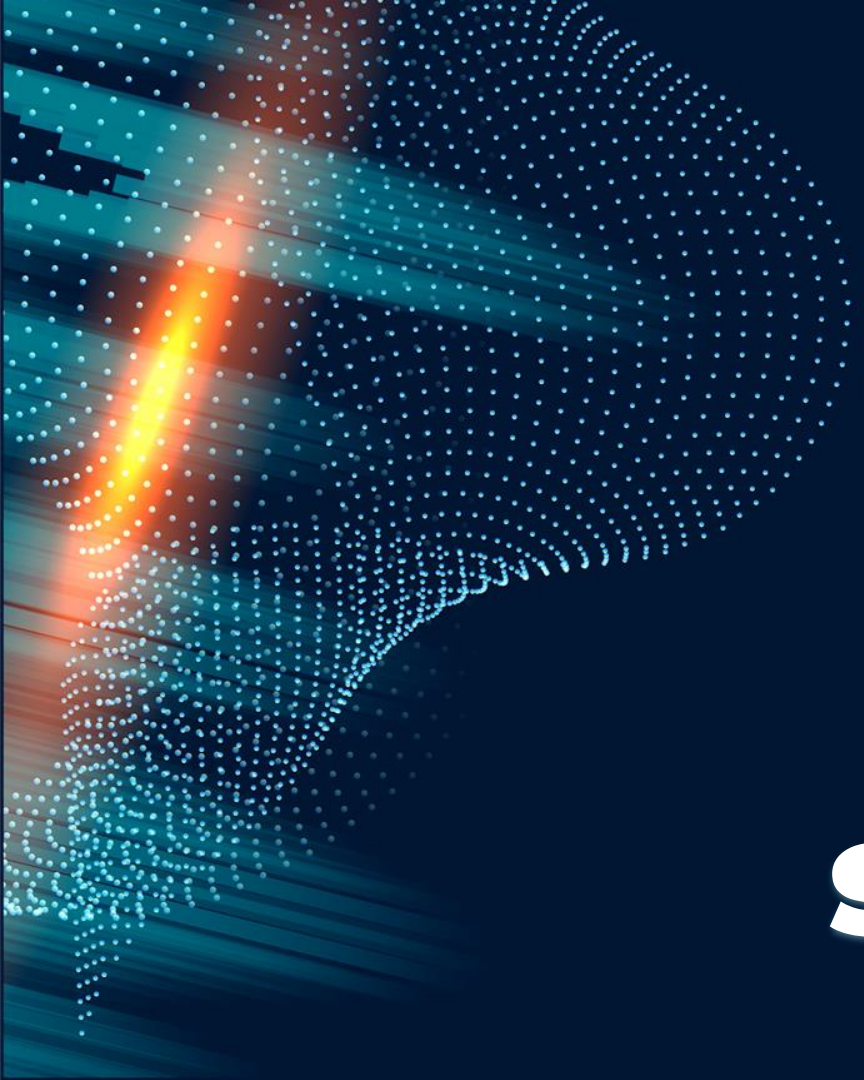




The AI Advantage

**How to Use AI to Save Time,
Reduce Stress, and Improve
Student Outcome**

An abstract digital graphic on the left side of the image. It features a dense cloud of small white dots, with several bright, glowing orange and yellow light trails or streaks cutting through the blue background. The overall effect is futuristic and high-tech.

**When did
AI start to
shock you?**



ChatGPT 3.5
2022 - 2023

The power of Generative AI

- Generate ideas
- Writing
- Translation
- Summarize reports
- Calculations
- Generate images
- Generate videos
- Etc.



The Integration of AI and Education

- **Generating Resources:** AI creates notes, assignments, and class activities.
- **Personalized Learning:** Tailored resources for diverse learning styles and paces.



Difficulties

- We all know AI can help us, but:
- There's no time to learn and test
- Interacting with AIs to achieve desired outcomes can be time-consuming
- Prompt Engineering



Prompt Engineering

CRAFT a Power Prompt



CONTEXT

CONTEXT

Add specific details to help the AI target your specific needs; these can be embedded throughout the prompt



ROLE

Role

Assign the AI a role for more targeted response
"You are an excellent 8th grade math teacher"



AUDIENCE

AUDIENCE

Provide specific details about the Audience
ESL students, 8th grade parent, CTE teachers



FORMAT

FORMAT

Output format, length, style, Rap, Song, HTML
Providing examples may help the model



TASK & TONE

TASK

What you want action you want the AI to do for you; evaluate, create, edit, revise, brainstorm, etc
TONE professional, friendly, caring, etc



The CRAFT framework was created by Vera Cubero

- North Carolina Department of Public Instruction. (2024, January 16). Generative AI Implementation Recommendations and Considerations for PK-13 Public Schools. <https://www.dpi.nc.gov/press-release/ncdpi-generative-ai-implementation-recommendations-and-considerations-pk-13-public-schools/download>

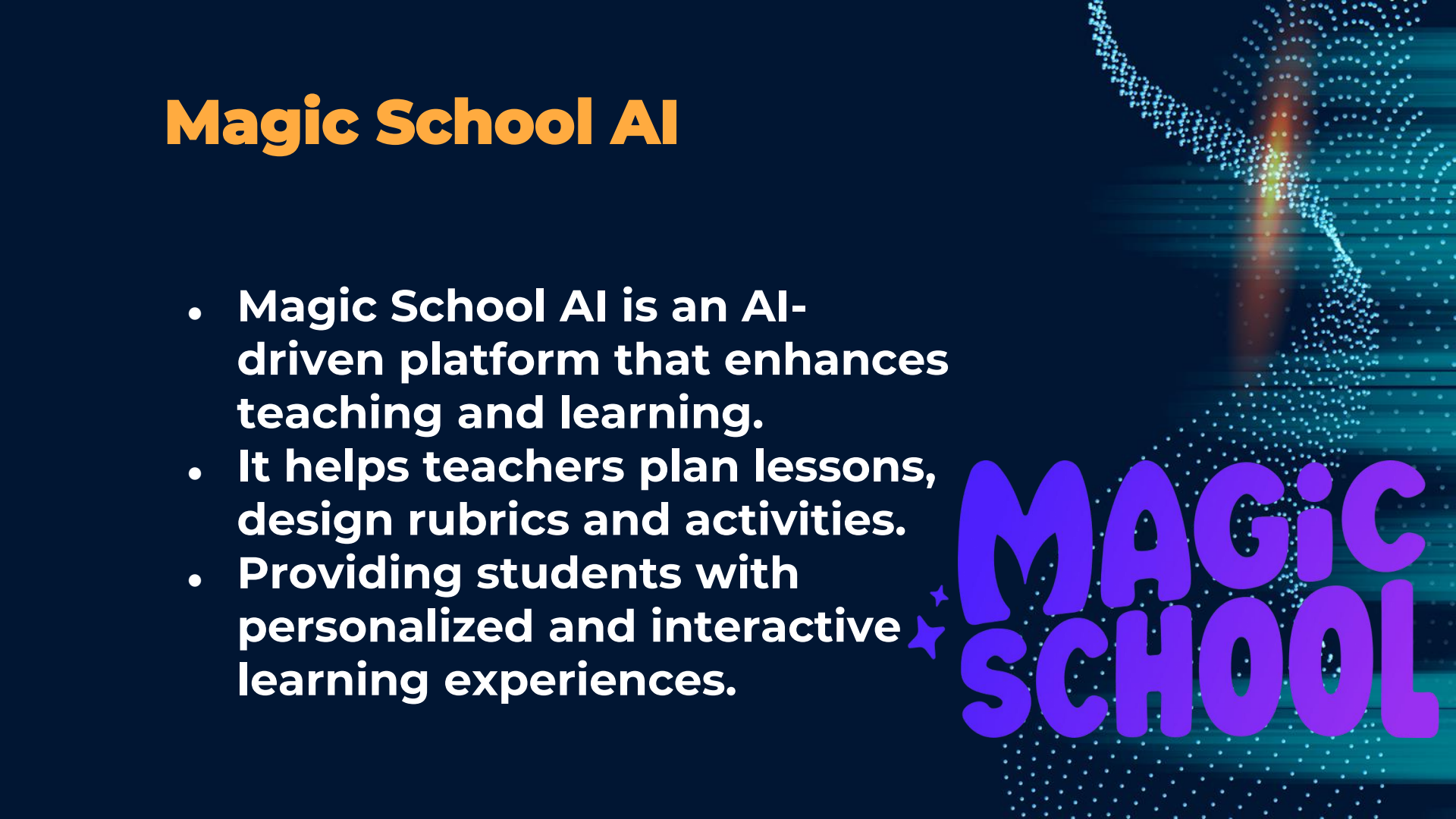
Good news

- There is a platform that makes it super easy to use AI in the classroom
- Quick setup, simple interaction, no complicated prompts needed.



Magic School AI

- Magic School AI is an AI-driven platform that enhances teaching and learning.
- It helps teachers plan lessons, design rubrics and activities.
- Providing students with personalized and interactive learning experiences.



**MAGIC
SCHOOL**

Register

- <https://www.magicschool.ai/>
- Click "Sign up free"
- Click "Continue with Google"

A screenshot of the Magic School Educator Sign up page. The page has a white background with a purple header. The Magic School logo is at the top, followed by the text "Educator Sign up". Below this are three input fields for "Email", "Password", and "Confirm Password", each with a "Show" link to its right. A large purple "Sign up" button is below the fields. At the bottom, there are three buttons for "Sign up with Google", "Sign up with Microsoft", and "Sign up with SSO", each with its respective logo or icon.

MAGIC SCHOOL

Educator Sign up

Email

Password [Show](#)

Confirm Password [Show](#)

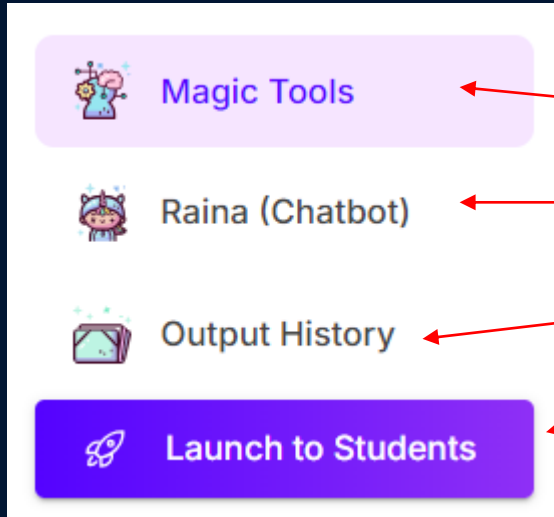
Sign up

 Sign up with Google

 Sign up with Microsoft

 Sign up with SSO

Interface



Over 80 AI tools

Chatbots

History logs

Student AI classroom

Useful AI

Favorites [Change Order](#)



Worksheet Generator

Generate a worksheet based on any topic or text.



YouTube Video Questions

Generate guiding questions aligned to a YouTube video.



Lesson Plan

Generate a lesson plan for a topic or objective you're teaching.



Multiple Choice Quiz / Assessment

Create a multiple choice assessment, quiz, or test based on any topic, standard(s), or...



Report Card Comments

Generate report card comments with a student's strengths and areas for growth.



YouTube Video Summarizer

Get a summary of a YouTube video in whatever length you choose.



Rubric Generator

Have AI write a rubric for an assignment you are creating for your class in a table format.



Text Rewriter

Take any text and rewrite it with custom criteria however you'd like!



Lesson Plan

Grade level: *

University

Topic, Standard, or Objective: *

 The history of AI



 [Get Help With Prompt](#)

Additional Criteria:

 Students are in a unit about world regions, students last lesson was on the geography of the United States, have the lesson include group work, etc.



 [Get Help With Prompt](#)

Standards Set to Align to:

 Any standards worldwide (CCSS, TEKS, Ontario, Florida)



Generate

✦ Prompt Assistant ✕

Improved Prompt:

Create a detailed lesson plan focused on the history of artificial intelligence, including key milestones, influential figures, and its impact on modern society. Specify the grade level and learning objectives.

 [Copy Prompt](#)  [Accept Prompt](#)

Original Prompt:

The history of AI

What was changed:

- Clarified the topic by specifying 'artificial intelligence' instead of just 'AI'.
- Requested additional details such as key milestones and influential figures to enrich the lesson plan.
- Encouraged the user to specify the grade level and learning objectives for targeted teaching.

Additional instructions for prompt assistant



Lesson Plan

Grade level: *

University

Topic, Standard, or Objective: *



Create a comprehensive lesson plan on the history of artificial intelligence, including key milestones, influential figures, and major developments in the field. Please specify the grade level and learning objectives.



Get Help With Prompt

Additional Criteria:



Students are in a unit about world regions, students last lesson was on the geography of the United States, have the lesson include group work, etc.



Get Help With Prompt

Standards Set to Align to:



Any standards worldwide (CCSS, TEKS, Ontario, Florida)



Generate

- **Milestones in AI Development:** Timeline of major advancements, such as the Turing Test, the invention of neural networks, and the rise of machine learning.
- **Influential Figures:** Key contributors like Alan Turing, John McCarthy, and Geoffrey Hinton, and their roles in AI history.
- **Major Developments:** Overview of significant technologies, including natural language processing and computer vision.
- **Ethical Considerations:** Discussion on the implications of AI advancements on society and ethical concerns.
- **Future of AI:** Speculation on potential future developments in the field.

OPENING:

- Begin with a thought-provoking question: "What do you think is the most important invention in the history of technology, and why?"
- Present a brief video clip showcasing AI in everyday life to capture student interest.
- Facilitate a quick discussion based on the video to engage students in thinking about AI.

INTRODUCTION TO NEW MATERIAL:

- Present the key points through a multimedia presentation, including images, videos, and timelines.
- Encourage students to take notes during the presentation, highlighting important names and dates.
- Anticipate the misconception: "AI is a recent development," and clarify that AI has roots going back to the mid-20th century.

GUIDED PRACTICE:

- Break students into small groups and assign each group a different milestone to research.
- Provide guiding questions to scaffold their research, starting with basic facts and progressing to the significance of their assigned milestone.
- Monitor groups as they work, providing feedback and ensuring they stay focused on their research.

INDEPENDENT PRACTICE:

- Assign students to create individual timeline projects using digital tools or poster boards.
- The project should include visuals, descriptions, and connections between milestones.
- Set expectations for presentation quality and creativity, encouraging them to express their understanding of AI's history.

Create a Custom Tool

- save your settings, eliminating the need to repeatedly enter the same settings each time.



Create a Custom Tool



Lesson Plan

Generate a lesson plan for a topic or objective you're teaching.



IEP Generator

Generate a draft of an individualized education program (IEP) customized...



Writing Feedback

Based on a custom criteria, have AI give areas of strength & areas for...



Custom Chatbot

Create a custom chatbot to interact with based on any criteria that you...



Create a Custom Tool

Cancel

ConfigureCustomizeTest

Next

Lesson Plan

Configure

Reset

Name

Lesson Plan

Description

Generate a lesson plan for a topic or objective you're teaching.

Grade level:

University

Topic, Standard, or Objective:

topic, standard, or longer description of what you're teaching. \n\nIf you include the full description, you can use any standard worldwide. For example, "HS-PS1-1 Use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the outermost energy level of atoms.

Additional Criteria:

Students are in a unit about world regions, students last lesson was on the geography of the United States, have the lesson include group work, etc.

Preview of what you will see:

Lesson Plan

Generate a lesson plan for a topic or objective you're teaching.

Grade level: *

University

Topic, Standard, or Objective: *

topic, standard, or longer description of what you're teaching. \n\nIf you include the full description, you can use any standard worldwide. For example, "HS-PS1-1 Use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the outermost energy level of atoms.

Additional Criteria:

Students are in a unit about world regions, students last lesson was on the geography of the United States, have the lesson include group work, etc.

Create a Custom Tool

● ——— ● ——— ●
Configure Customize Test

Add Your Custom Instructions

Add your own additional instructions to change the behavior of the tool.

 Start the lesson with an engaging brainstorming session. Please provide three specific discussion topics that will stimulate student participation and enhance understanding of the subject.





 [Get Help With Prompt](#)

Create a Custom Tool

GUIDED PRACTICE:

- Divide students into small groups to create a mind map of the history of neural networks.
- Provide example scenarios where neural networks are used (e.g., image recognition, language processing).
- Scaffold questioning:
 - Start with: What is a neural network?
 - Move to: How did the perceptron model evolve?
 - End with: What are the implications of deep learning in society?
- Monitor group discussions by circulating and providing feedback.

Worksheet Generator

Clear Inputs Exemplar

Worksheet Generator

Generate a worksheet based on any topic or text.

Grade level: *

University

Topic or text: *



Example 1.pdf

PDF

1068 words



Total number of words in files: 1068/75000

Mitosis, World War II, paste a block of text or attach a PDF of content to base the worksheet on.

Generate

Multiple Choice Questions: Choose the correct answer from the choices for each question.

- What is a key disadvantage of supervised learning?
 - a) No need for labeled data
 - b) Computational simplicity
 - c) Labeling is a big challenge
 - d) Lack of accuracy
- Which algorithm is commonly used for clustering in unsupervised learning?
 - a) KNN
 - b) Decision Trees
 - c) K-means
 - d) SVM
- What does deep learning primarily use to detect patterns?
 - a) Linear regression
 - b) Neural networks
 - c) Decision stumps
 - d) Random forests
- Which of the following layers in a CNN is responsible for reducing spatial dimensions?
 - a) Convolution layer
 - b) Fully-connected layer
 - c) Pooling layer
 - d) Input layer
- What is the main objective of text classification in text analytics?
 - a) Extracting keywords
 - b) Grouping related documents
 - c) Assigning tags based on semantic components
 - d) Reducing data size

Open-Ended Questions: Answer the following questions in complete sentences.

- Explain the main difference between supervised and unsupervised learning.
- Describe a situation where unsupervised learning could be beneficial.
- How does backpropagation improve the accuracy of neural networks?

ANSWER KEY

Fill in the Blank:

- high
- detective
- K
- neural
- human

Multiple Choice Questions:

- c) Labeling is a big challenge
- c) K-means
- b) Neural networks
- c) Pooling layer
- c) Assigning tags based on semantic components

Open-Ended Questions:

- Supervised learning requires labeled data to guide the learning process, while unsupervised learning works with unlabeled data to find patterns and relationships.
- Unsupervised learning could be beneficial in a situation where large amounts of data are available without labels, such as customer segmentation in marketing.
- Backpropagation improves the accuracy of neural networks by adjusting neuron weights based on errors, iterating until the loss is minimized for more accurate predictions.

YouTube Video Questions

[Clear Inputs](#) [Exemplar](#)

YouTube Video Questions

Generate guiding questions aligned to a YouTube video.

Grade level: *

University

Question Type: *

Multiple choice

Number of Questions: *

5

Youtube Transcript: * [How do I get a transcript?](#)

0:10
I've done it.

0:12
I've delivered value.

0:15
I brought key stakeholders
into conversations at the appropriate time.

0:17
I provided regular updates on our timeline to leadership

0:23
and found ways to deliver in the face of setbacks.

0:26

Generate

<https://www.youtube.com/watch?v=3wLqsRLvV-c>

YouTube Video Questions

1,678,716 views Apr 25, 2016

View full lesson: <http://ed.ted.com/lessons/the-turing-...>

What is consciousness? Can an artificial machine really think? For many, these have been vital considerations for the future of artificial intelligence. But British computer scientist Alan Turing decided to disregard all these questions in favor of a much simpler one: Can a computer talk like a human? Alex Gendler describes the Turing test and details some of its surprising results.

Lesson by Alex Gendler, animation by Patrick Smith.

Transcript

Follow along using the transcript.

Show transcript

Transcript

Search in video

4:07 requires a wealth of underlying knowledge and intuition to parse.

4:12 It turns out that simulating a human conversation

4:15 takes more than just increasing memory and processing power,

4:19 and as we get closer to Turing's goal,

4:21 we may have to deal with all those big questions about consciousness after all.

English ▾

<https://www.youtube.com/watch?v=3wLqsRLvV-c>

YouTube Video Questions

1. What was Alan Turing's primary question regarding artificial intelligence?

- a. Can machines perform surgery?
- b. Can a computer talk like a human?
- c. Does consciousness exist in machines?
- d. Can computers solve complex equations?

2. What is the Turing Test designed to evaluate?

- a. A machine's ability to perform tasks.
- b. A computer's ability to replace a human in conversation without being detected.
- c. The intelligence of human beings.
- d. The memory capacity of computers.

Answer Key:

1. b 0:31

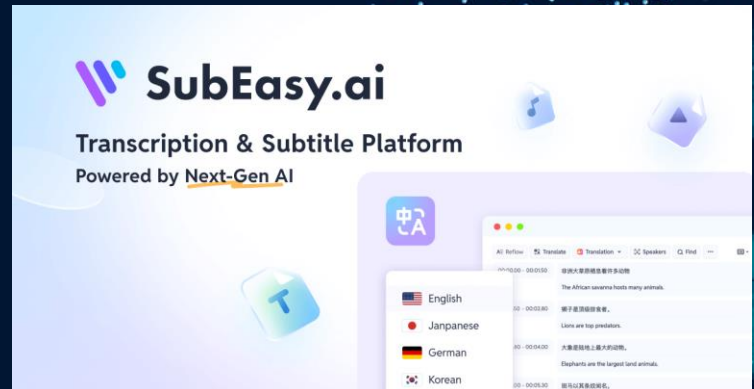
2. b 0:56

3. c 1:43

<https://www.youtube.com/watch?v=3wLqsRLvV-c>

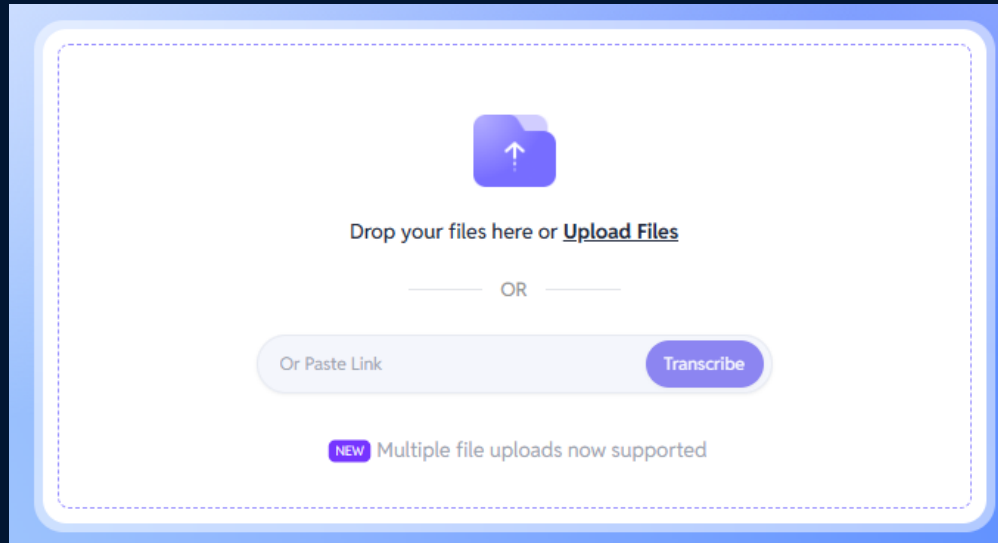
Subeasy AI

- If the YouTube videos do not have captions
- <https://www.subeasy.ai/>
- 3 free transcriptions per day



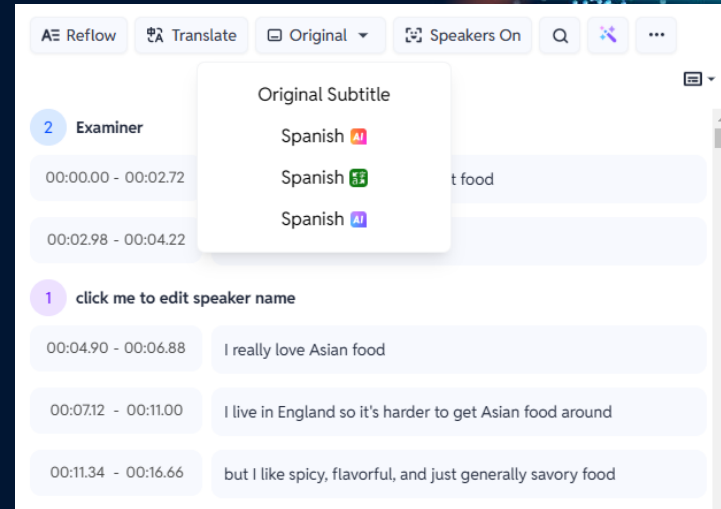
Subeasy AI

- Upload your file / link



Subeasy AI

- You can create subtitles in the original language or translate them into other languages.



Other useful tools

Favorites [Change Order](#)



Academic Content

Generate original academic content customized to the criteria of your choice.



Writing Feedback

Based on a custom criteria, have AI give areas of strength & areas for growth on...



Text Proofreader

Take any text and have it proofread, correcting grammar, spelling, punctuation...



Unit Plan Generator

Generate a draft of a unit plan based on topic, standards and objectives, and lengt...



Sentence Starters

Provide sentence starters for any topic, assignment, standard, or objective.



Vocabulary List Generator

Generate a list of vocabulary words based on a subject, topic, or text that are...



Text Analysis Assignment

Generate a text based analysis assignment that includes a writing prompt along with...



Teacher Observations

Generate areas of strength and suggestions for next steps for a teacher based on a...



Text Translator

Take any text and translate it into any language instantly.



Writing Feedback

Writing Feedback

Based on a custom criteria, have AI give areas of strength & areas for growth on student work.

Grade level: *

University

Describe the assignment: *

 Include the description of the assignment.

Type of Feedback or Rubric

 Give feedback on... If you have a rubric, attach it.



Additional instructions for the type of feedback?

 Focus the feedback on the conventions category of the rubric, make sure to focus on the use of evidence



[Get Help With Prompt](#)

Insert the writing you want feedback on:

 Copy, then paste your written work here that you want AI feedback on.



Areas of Strength:

- Your reflection demonstrates strong understanding of AI concepts learned in the course, particularly in explaining machine learning methods and specific AI tools. Your statement that "Understanding these concepts helped me grasp how AI systems learn and make decisions" shows good synthesis of learning.
- You effectively addressed two significant AI issues (copyright and employment) with specific examples and technologies. Your discussion of "diffusion models and transformer architectures" shows technical understanding of the subject matter.
- Your analysis of potential solutions is well-thought-out, especially your suggestion for "a new structure for AI-generated content" including specific recommendations like mandatory disclosure and new licensing frameworks.

Areas for Growth:

- Consider providing more specific examples from your personal learning experience. While you mention tools like "Teachable Machine, Copilots, and Gamma AI," you could elaborate on how you specifically used these tools.
- Your discussion of AI's impact on employment could be strengthened with more specific data or examples beyond the CNN citation. Consider incorporating additional sources to support your arguments.
- The conclusion could be more impactful by offering more specific reflections on how your newfound AI knowledge will influence your future academic or professional endeavors.

General Feedback on Writing Mechanics:

- Work on paragraph transitions to improve flow. For example, the shift between your personal learning experience and AI issues sections could be smoother.
- Consider using more varied sentence structures. Many of your sentences follow similar patterns, particularly in the AI issues section.
- Your citation format is appropriate, but consider incorporating in-text citations throughout the paper to strengthen your arguments, especially when discussing employment statistics.

Student AI classroom

**Select AI tools that are suitable for students to enhance their learning and monitor their progress.
(PS: The current features are not designed for assigning or submitting homework; they are intended solely to support learning.)**

Student AI classroom Setup

●

●

●

Details

Tools

Customize

Next

Room Details

Room Name (visible to all students)

Student Room - Sep. 7th, 2024

Grade level

6th grade ▼

Max Students

250

Student AI classroom

Choose AI tools that are appropriate for students.

[← Cancel](#)

DetailsToolsCustomize

[Back](#)[Next](#)

Select Tools for Your Students

Tools To Launch [Deselect All](#)



Quiz Me!
Quiz yourself on any topic or type of test.



Student Support Chatbot
Customize a chatbot with a student's description so that it can support them in...



Text Proofreader
Take any text and have it proofread, correcting grammar, spelling, punctuation and adding...



Writing Feedback
Get feedback on your writing.

Student AI classroom

Assist their learning and track their progress.

Share MagicSchool Room

Visit:
<https://student.magicschool.ai/s/join>
and enter code:

xP4t8g

Please be sure to comply with your local school and district policies when using AI with students.

[Back](#) [Close](#)

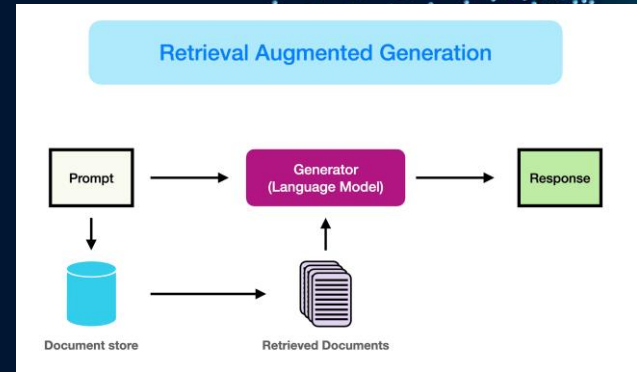
Limitations of Common GPT Models

- Outdated Database
- Weak/Wrong References



RAG (Retrieval Augmented Generation)

- RAG is an innovative framework that combines the strengths of LLMs with an external retrieval mechanism.
- This allows models to access up-to-date information from external sources before generating responses.



Perplexity AI

- **Advanced AI search engine**
- **Accesses current information from the internet**
- **Retrieves data from scholarly sources**



perplexity

Perplexity AI

- **Nvidia CEO Jensen Huang uses Perplexity AI 'almost every day'**

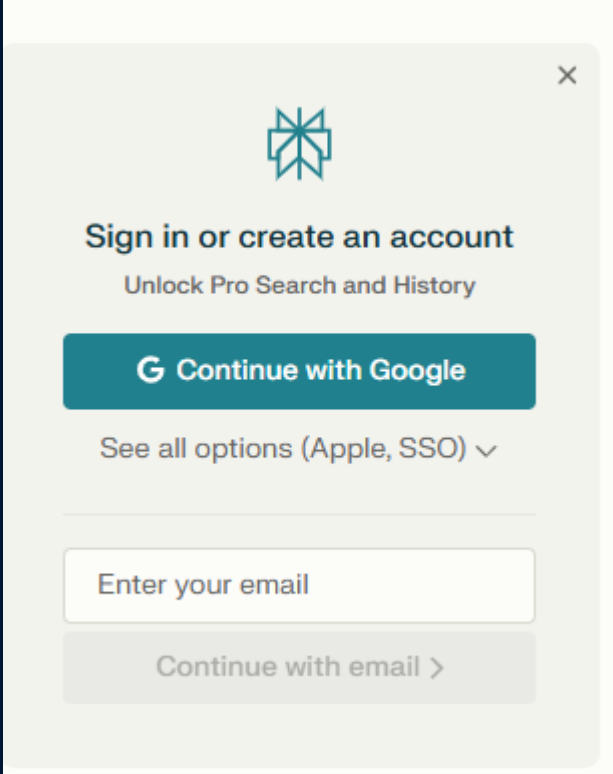
(Mark Tyson. "Nvidia CEO Jensen Huang uses Perplexity AI 'almost every day' – ChatGPT is also a favorite." Tom's Hardware, 24 Feb. 2024, www.tomshardware.com/tech-industry/artificial-intelligence/nvidia-ceo-jensen-huang-uses-perplexity-ai-almost-every-day-chatgpt-is-also-a-favorite)



(Image credit: Nvidia)

Registration

- <https://www.perplexity.ai/>
- Login with Google

A screenshot of a login modal for Perplexity AI. The modal is white with a close button (X) in the top right corner. It features the Perplexity logo (a stylized star or flower icon) at the top center. Below the logo, the text "Sign in or create an account" is displayed, followed by "Unlock Pro Search and History". A prominent teal button with the Google "G" logo and the text "Continue with Google" is centered. Below this button, the text "See all options (Apple, SSO) v" is shown. A horizontal line separates the login options from the email registration section. This section includes a text input field with the placeholder "Enter your email" and a light gray button below it with the text "Continue with email >".

×



Sign in or create an account

Unlock Pro Search and History

 Continue with Google

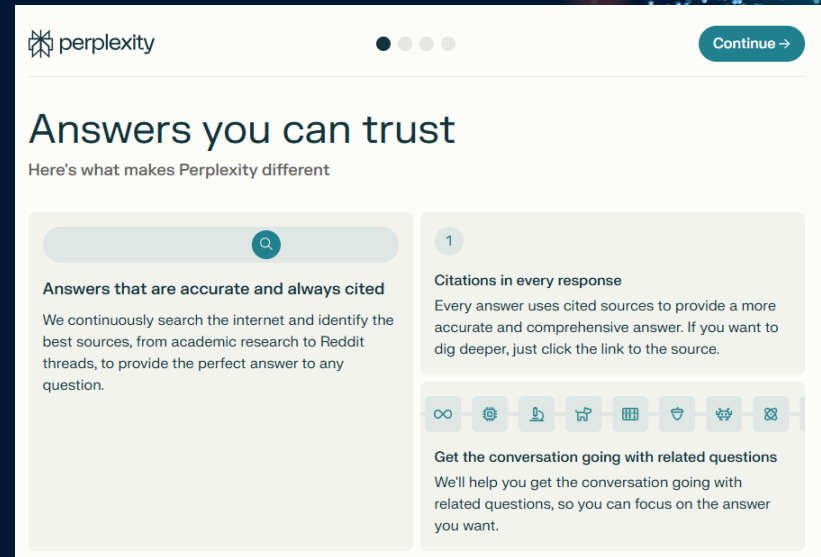
See all options (Apple, SSO) v

Enter your email

Continue with email >

Compare with ChatGPT

- Provide answers with cited sources to help deepen the exploration of the issue



Please ask Perplexity the following questions

1. **What is Deepseek**
2. **I am a university lecturer, and I would like to introduce Deepseek to my students, focusing on its key features and architecture within 15 minutes. Since they are not familiar with AI, please use simple wording; metaphors are recommended.**

Question 1

What is Deepseek

DeepSeek - Wikipedia

w en.wikipedia

DeepSeek: The Chinese AI app that has the worl...

bbc

deepseek-ai (DeepSeek) - Hugging Face

huggingface

+4 sources

Answer

DeepSeek is a Chinese artificial intelligence company based in Hangzhou, Zhejiang, founded in July 2023 by Liang Wenfeng, co-founder of the hedge fund High-Flyer ¹. The company specializes in developing large language models (LLMs) and has gained significant attention for its cost-effective approach to AI development.

Key Features and Achievements:

- **Low-Cost Development:** DeepSeek's models are developed at a fraction of the cost compared to competitors like OpenAI. For instance, its V3 model was trained for approximately \$6 million, significantly less than the hundreds of millions spent by other companies ¹ ².
- **Performance:** DeepSeek's models, such as DeepSeek-R1, offer performance comparable to leading models like OpenAI's GPT-4, despite the lower development costs ¹.
- **Technological Innovations:** DeepSeek incorporates advanced technologies like Mixture of Experts (MoE) and multi-head latent attention in its models, enhancing efficiency and reducing memory usage ¹.
- **Market Impact:** The release of DeepSeek's chatbot app in January 2025 led to it becoming the most downloaded free app on the US iOS App Store, causing significant market fluctuations, including a drop in Nvidia's stock price ¹ ².



Question 2

What is Deepseek?
Differences from...

k kalm

Everything About
DeepSeek: Key Feature...

popai

LLM (ML) Job Interviews
- Resources - Mimansa...

mimansajaiswal.gith...



+5 sources

Answer

Introducing DeepSeek to your students can be engaging and straightforward. Here's a simplified explanation of its key features and architecture, using metaphors to help them understand:

Introduction to DeepSeek

Imagine you're in a vast library with millions of books. Traditional search engines are like librarians who find books based on keywords. DeepSeek is like a super-smart librarian who not only finds books but also understands what you're looking for, why you need it, and even suggests related books you might not have thought of.

Key Features of DeepSeek

- Advanced Data Analysis:** DeepSeek is like a powerful microscope that helps you see the details in a large dataset. It uses artificial intelligence (AI) to analyze data from many sources, making it easier to understand complex information.
- Natural Language Processing (NLP):** Think of NLP as a translator who understands what you mean, not just what you say. DeepSeek uses NLP to interpret your questions and provide relevant answers.
- Real-Time Processing:** Imagine having a super-fast computer that can process information instantly. DeepSeek can analyze data in real-time, which is useful for applications that need quick responses.
- Mixture-of-Experts (MoE) System:** Picture a team of experts, each specializing in a different area. DeepSeek's MoE system is like this team, where only the relevant experts are called upon to solve a problem, making it efficient and accurate.
- Multi-Head Latent Attention (MLA):** This feature is like having multiple spotlights that shine on different parts of a complex problem, helping DeepSeek understand it better.

Let me explain why DeepSeek R1 broke the internet (in simple terms):

Deepseek is just as good, if not better, than ChatGPT and costs 3% of the price.

Deepseek took 2 months and less than \$6 million to build, with outdated chips and a small team of <200 people.

Meanwhile, OpenAI was founded 10 years ago, raised \$6.6 billion in capital, and has 4,500 employees.

DeepSeek is the black swan that OpenAI and



Search Videos



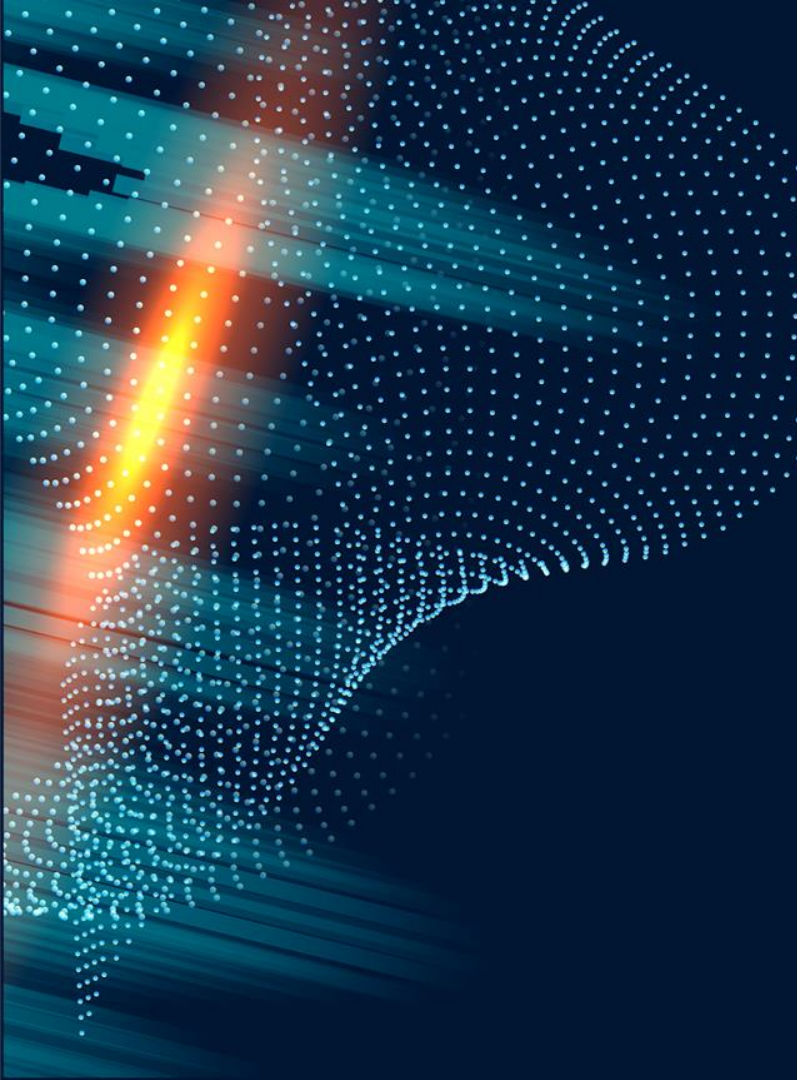
Generate Image



Tips

1. **Need to verify the wordings (It uses GPT 3.5 to summarize information in the free version)**
2. **Need to verify the links**





What do you want to know?

Ask anything...

Auto



64°F
Hong Kong

Web

Search across the entire internet



Academic

Scholarly and research papers



Social

Discussions and opinions



Musk Claims Grok 3
Outperforms All...

Furthermore

**You can choose a
specific group of
references**

Academic Search

The concept of deep learning

🔍 Sources

Critically Analysing the
Concept of Deep
Learning and How it...

 semanticscholar

Lane detection using the
concept of Deep learning
and Digital image...

 semanticscholar

THE CONCEPT OF DEEP
LEARNING:
RECOGNIZING...

 semanticscholar



Show all

📖 Answer

Overview of Deep Learning

Deep learning is a subset of machine learning that utilizes artificial neural networks with multiple layers to model complex patterns in data. It has gained prominence due to its ability to handle vast amounts of unstructured data, making it essential in various applications, including image and speech recognition, natural language processing, and autonomous systems.

Key Components of Deep Learning

1. Neural Networks:

- Deep learning primarily relies on **artificial neural networks (ANNs)**, which are inspired by the biological neural networks in the human brain. These networks consist of layers of interconnected nodes (neurons) that process input data through weighted connections.

Video Search (App version)

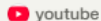
The next james bond

Sources

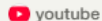
Aaron Taylor-Johnson
Rumored to Be the Next
James Bond (Report)



NEXT 007 JAMES BOND
- Top Contenders
Breakdown - YouTube



Daniel Craig teases next
James Bond at 2024
Governors Awards



Show all

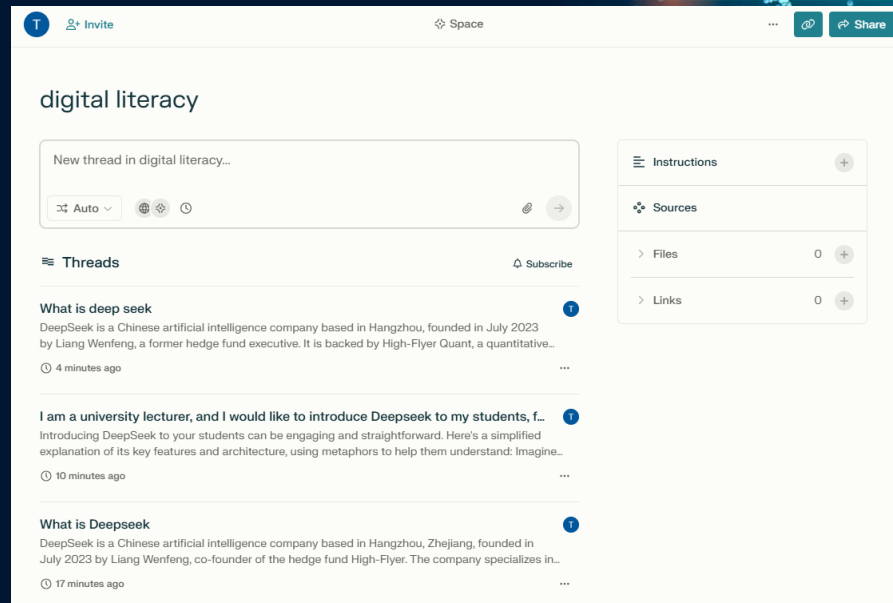
Answer

Aaron Taylor-Johnson is reportedly set to become the next James Bond, as he has been officially offered the role and is expected to sign his contract soon. This news follows Daniel Craig's departure from the iconic role after five films, with Craig having announced his retirement from the character in 2021 .

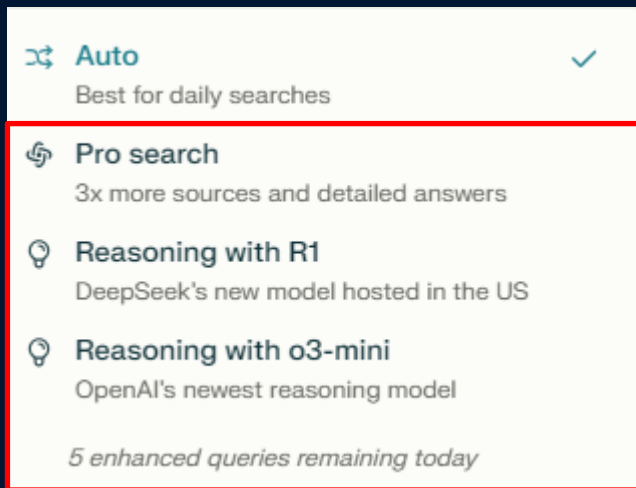
The producers of the Bond franchise, Barbara Broccoli and Michael G. Wilson, have emphasized the importance of finding an actor who can commit to multiple films, which is a significant consideration in the casting process .

Space

- **Organize:** Save research, sources, and insights in one place.
- **Collaborate and Share:** Exchange knowledge and perspectives for collective understanding.



Different LLMs



The DeepSeek model in Perplexity is hosted on servers based in the US and Europe, meaning that your data is not shared with the model provider or with China.

Furthermore, they have eliminated all censorship on answers. You can ask it about any topic, even ones that are censored on the DeepSeek app, giving you unbiased and accurate answers. (Perplexity, 2025)

Pro Search

Budget 2025: Taxpayers will see lower tax...
hongkongfp

Hong Kong SAR - Individual - Deductions ...
taxsummaries.pwc

9 Ways to Reduce Your Personal Tax in Hong...
hkcompanyregistrat...

 +17 sources

Answer

Here are some tax-saving tips in Hong Kong:

- 1. Mandatory Provident Fund (MPF) Contributions**
 - Deduction Limit:** Up to HKD 18,000 per year.
 - Benefit:** Reduces taxable income, thus lowering your tax liability ² ³.
- 2. Voluntary MPF Contributions and Qualifying Annuity Premiums**
 - Deduction Limit:** Up to HKD 60,000 per year.
 - Benefit:** Additional tax savings on top of mandatory contributions ² ⁴.
- 3. Charitable Donations**
 - Deduction Limit:** Up to 35% of assessable income.
 - Benefit:** Encourages philanthropy while reducing taxable income ² ³.
- 4. Home Loan Interest Deduction**
 - Deduction Limit:** Up to HKD 100,000 (HKD 120,000 if residing with a child born on or after 25 October 2023) per year.
 - Benefit:** Reduces taxable income for homeowners ² ³.

Tax saving tips in Hong Kong

Deep Research

Examine the effects of AI on employment trends across various industries. Include statistical data on both job displacement and job creation, and analyze the long-term implications for the workforce

Deep Research

35 sources

- found several reports and studies that outline the current trends in AI's impact on...
- I found valuable insights on the overall impact of AI on employment trends, including...
- I have gathered comprehensive information on AI's impact on employment trends,...
- Okay, so I need to examine the effects of AI on employment trends across various...
- Next, the SEO.ai blog ² cites that 14% of workers have already been displaced by AI,...
- The Capacity Media article ³ says AI will create 12 million jobs by 2025, especially in...
- Nexford's article ⁵ references Goldman Sachs' prediction of 300 million jobs globally...
- The W Talent article ⁶ discusses healthcare roles created by AI, like Medical AI...
- The Inc.com article ⁸ highlights finance jobs being most changed by AI, with Citibank...
- Starting with an overview, then breaking down industries: tech, healthcare, finance. For...
- Long-term implications from ⁴ and ⁵ about GDP growth, unemployment trends, and...
- Check that all parts of the query are covered: statistical data on both sides, industry...
- Need to mention that while some jobs are lost, new ones emerge, and the net effect...
- Also, note the time frame differences—some sources talk about 2025, others 2030 or...
- Writing research report

Future of Jobs Report

2025: These are the...

weforum

AI Replacing Jobs

Statistics: The Impact o...

seo

Data: AI to create 12m

new jobs by 2025 |...

capacitymedia

+32 sources

Answer

The Transformative Impact of Artificial Intelligence on Global Employment Trends

The rapid integration of artificial intelligence (AI) into global industries is reshaping labor markets with unprecedented speed and scale. While AI-driven automation threatens to displace millions of jobs, it simultaneously fuels the creation of new roles and industries, necessitating a nuanced analysis of its net effects. Current projections estimate that AI could displace **9 million jobs** while creating **11 million new roles** by 2030 in data processing and AI-specific fields alone ¹. However, sector-specific impacts vary dramatically: finance faces a **50% automation risk** ⁸, healthcare is experiencing a surge in AI-driven specialties ⁶, and the tech sector grapples with both layoffs and demand for advanced technical skills ² ⁷. Long-term implications include a potential **7% increase in global GDP** ⁵ alongside structural shifts in workforce skills, requiring large-scale reskilling initiatives to bridge emerging gaps ¹ ⁴.

Sector-Specific Impacts of AI on Employment

Technology and Data Infrastructure

The technology sector epitomizes AI's dual role as both disruptor and creator. While **136,831 tech jobs were lost in 2023** due to AI-driven efficiency gains ², demand for AI

AI tools selection

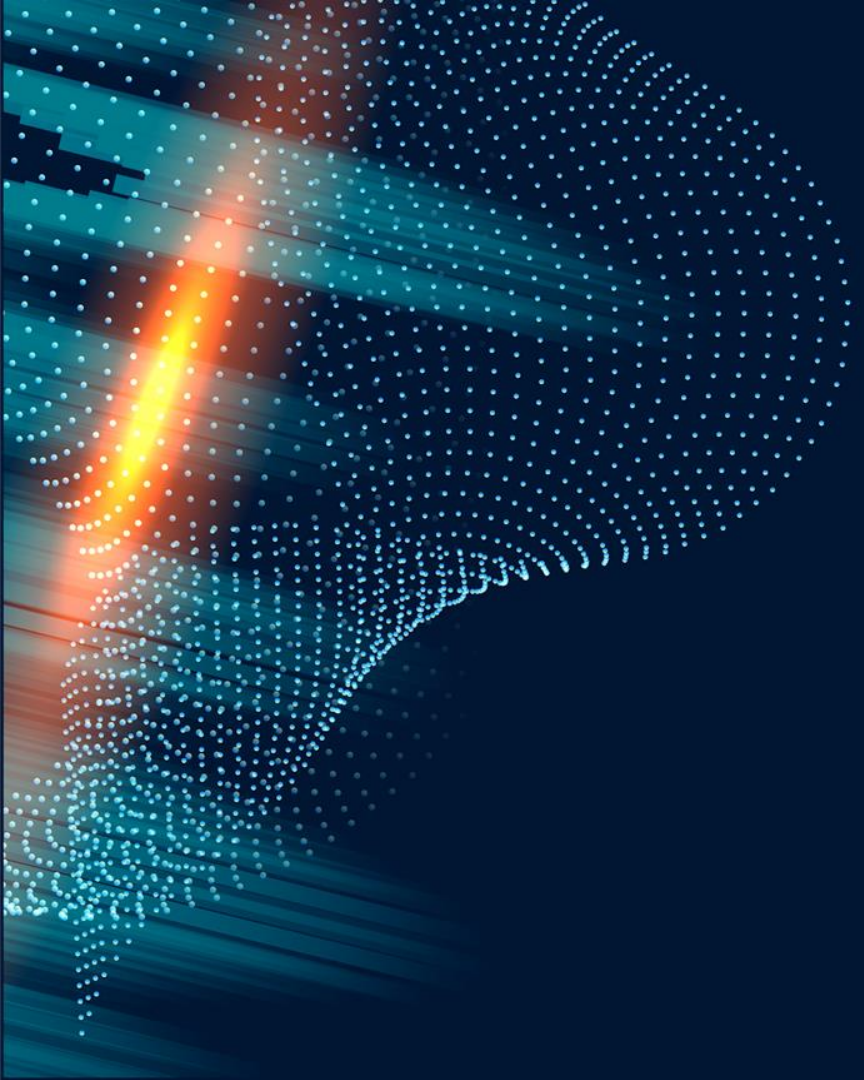
1. Privacy and Security

- <https://www.magicschool.ai/privacy>
- Perplexity: <https://www.perplexity.ai/help-center/en/articles/10354855-what-data-does-perplexity-collect-about-me>

2. Easy to Use

3. Mobile friendly

4. Cost



Q&A