

TritonGPT:

Unlocking the Power of AI



Goals for today!

- Provide high-level AI introduction
- Review ITS approach to AI
- Showcase TritonGPT tool
- Share AI tips and available resources
- Provide examples throughout

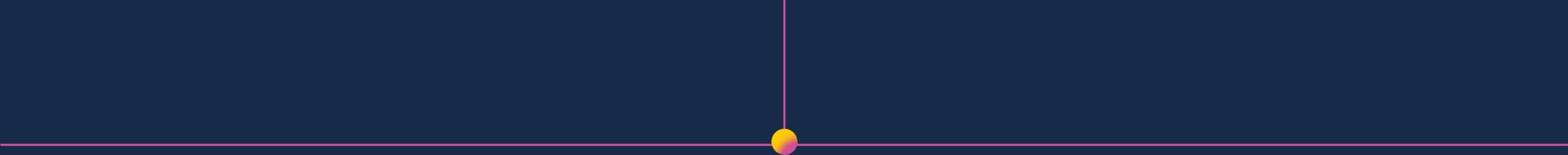




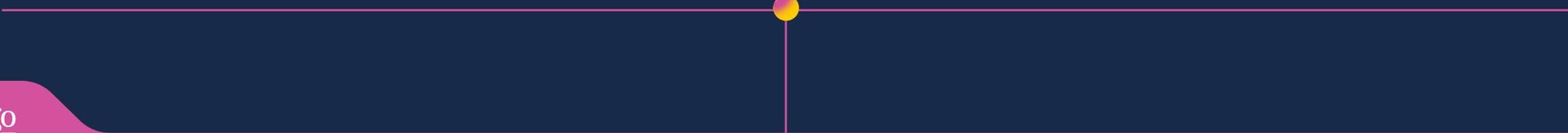
Table Setting

- 60 minutes of content
- 15 for QA and live examples
- Recording! Will post
- Moderators for Q/A in chat
- Slides will also be posted

NOTE: Focus will mostly be on language model AI, and TritonGPT



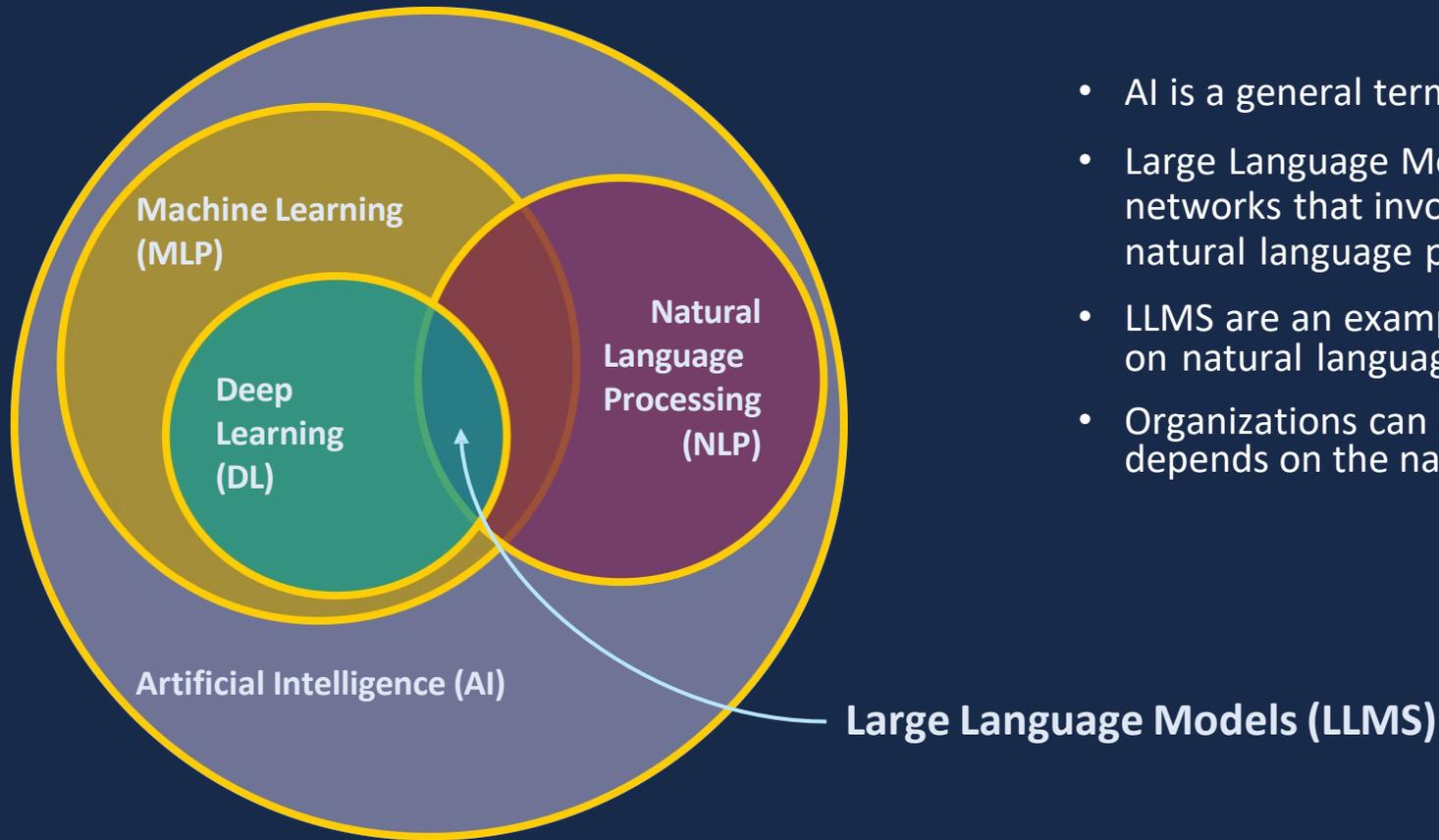
AI Familiarity?



What is gen-AI?

- GANs consist of two neural networks that compete with each other to generate realistic data
- VAEs use a probabilistic approach to learn a compressed representation of the input data
- Normalizing Flows use a series of invertible transformations to transform a simple distribution into a complex one
- Generative AI models have applications in fields such as computer vision, natural language processing, and drug discovery.

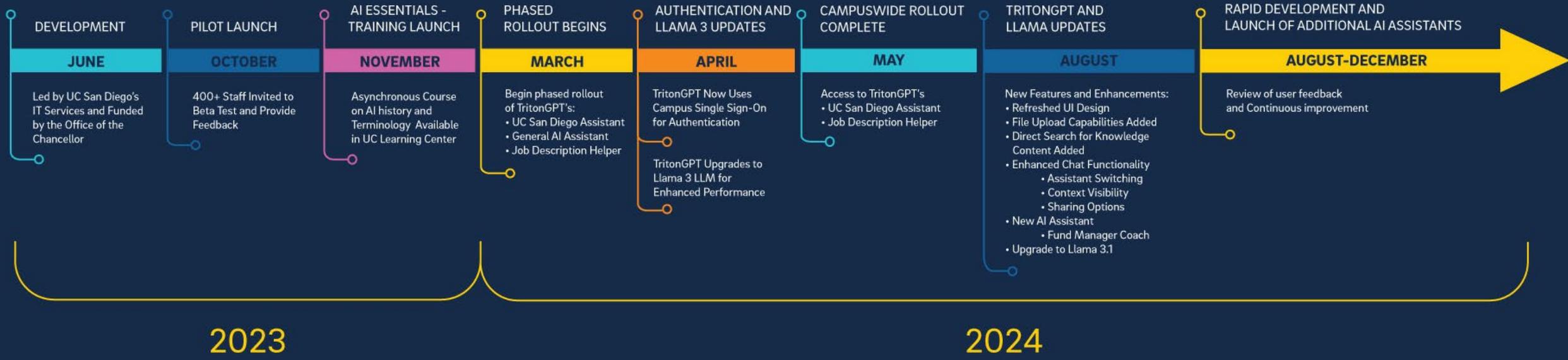
How are AI and TritonGPT related?



- AI is a general term that includes a variety of technical approaches
- Large Language Models (LLMs) are very large artificial neural networks that involve AI techniques from deep learning (DL) and natural language processing (NLP). TritonGPT uses an LLM
- LLMs are an example of one kind of artificial intelligence focused on natural language generation and language processing
- Organizations can and do use all forms of AI depicted here. It depends on the nature of the task

<https://pupuweb.com/best-practices-applications-use-chatgpt-gpt-4-llms-enterprise/>

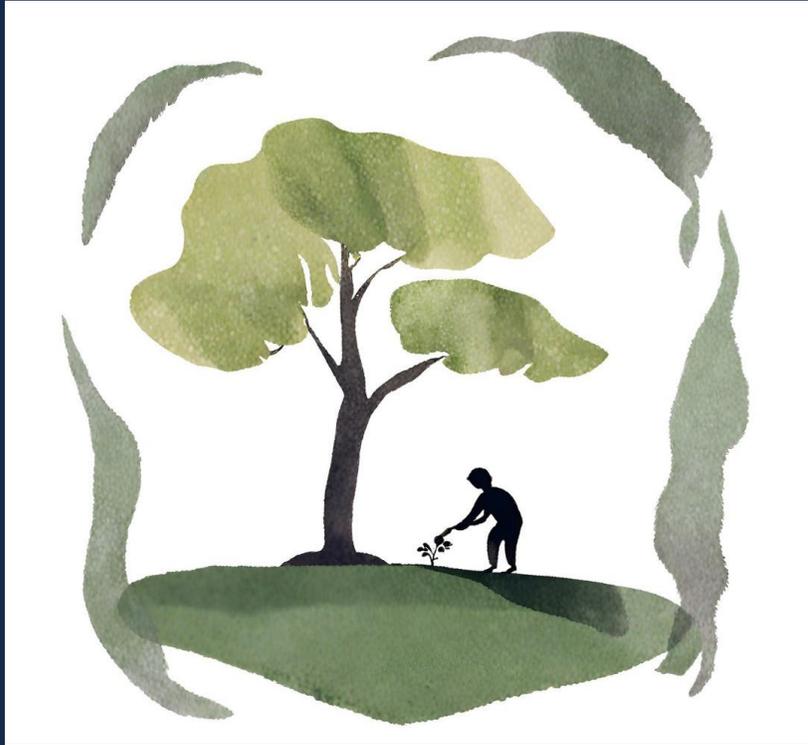
UC SAN DIEGO TritonGPT Initiative



2023

2024

Entry point uses of AI



Content Generation



Information Seeking

Prompting journey



Raw Data

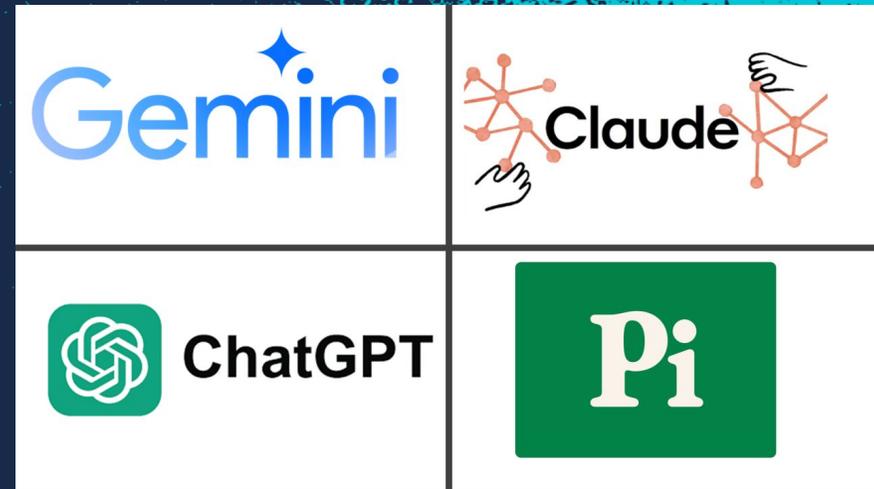


Prompt Response



User Refinement

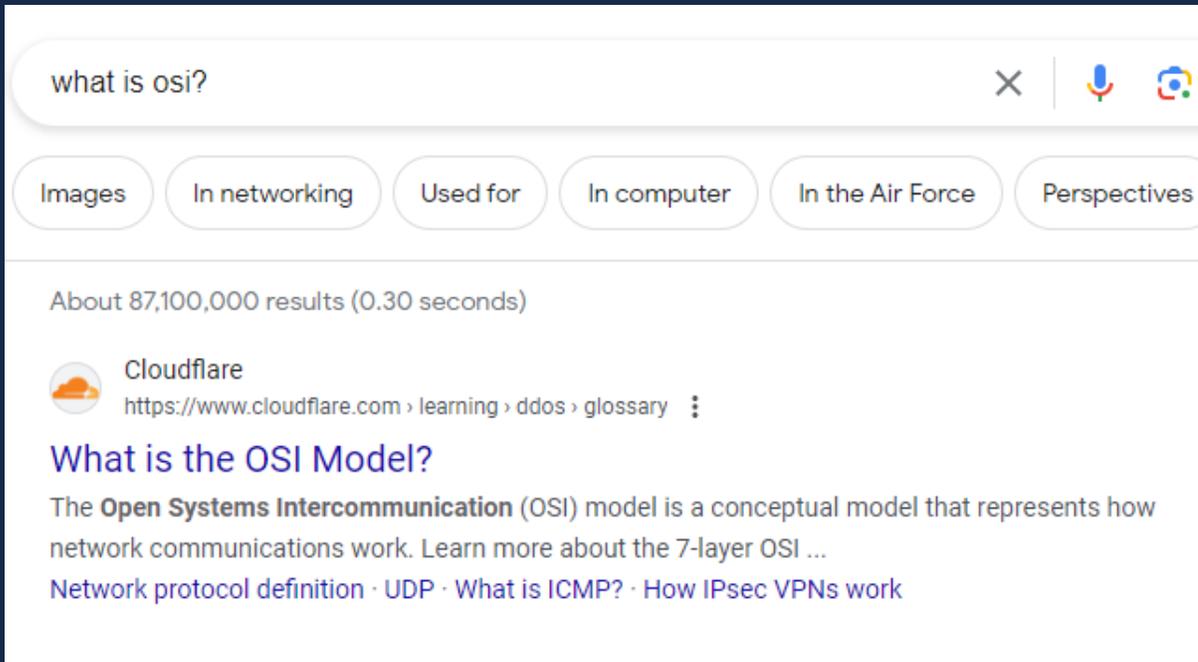
How do we currently find info?



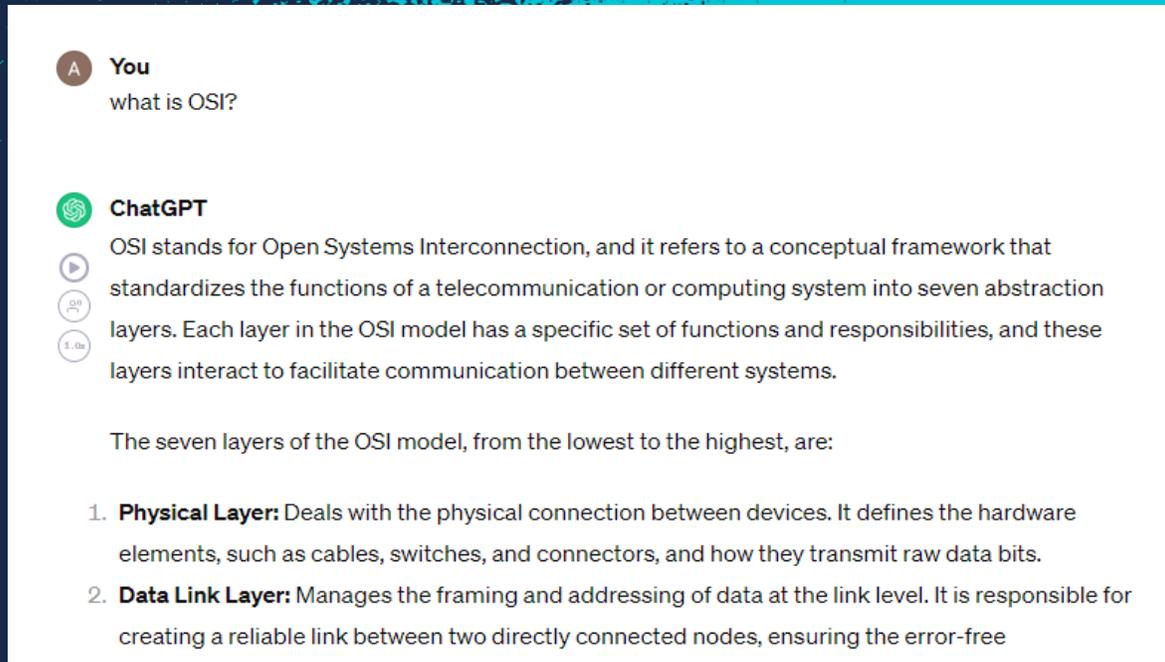


TritonGPT benefits

- Data security
- UCSD resource links provided
- Role specific “assistants”



Google



ChatGPT

Search Results

About 381 results (0.26 seconds)

OSI

osi.ucsd.edu >

Mission. To continuously advance the framework for UC San Diego's sustainable excellen

Office of Operational Strategic Initiatives

blink.ucsd.edu > [sponsor](#) > OSI

Apr 25, 2022 ... Visit the **OSI** website, osi.ucsd.edu, which serves staff, faculty, students,

SC-SPOC Progress Report

blink.ucsd.edu > [sponsor](#) > [scspoc](#) > [progress-report](#)

Jul 6, 2023 ... SC-SPOC Progress Report · Ensure that processes maximize the time tha

what is OSI?



Q Searched for: *what is OSI?* [✎](#)

OSI stands for Office of Operational Strategic Initiatives. According to the UC San Diego website, the Office of Operational Strategic Initiatives (OSI) serves as an agile, objective, and analytical team that partners with campus to accomplish both operational and financial goals that support the mission and vision of UC San Diego ①.

① Office of Opera... [🌐](#)

Skip to main content UC San Diego UC San Diego Blink Blink System Status: All...

See context [🌐](#)

See more



Blink

TritonGPT

UC San Diego

T

Common uses of GenAI



Customer Support

“What is UCSD’s policy on hybrid working?”



Research & Ideation

“What are the top 10 trends in AI development?”



Content Creation

“Write a brief email to our community announcing our new event”



Synthesis

“Summarize the following article”

GenAI Considerations



Inaccuracy &
Hallucinations



Bias



Privacy & Security



Unethical Use



IP
Violation

ITS - AI in Administration Strategy*

*More on this during the “Under the Hood” webinar

1. Guidance for using commercial generative AI tools for posting on Blink is now live:
<https://blink.ucsd.edu/technology/ai/>
2. Enable safe and secure end-user access to Generative AI (GenAI) capabilities quickly
3. Develop an AI infrastructure that mitigates risk, controls costs, provides flexibility and enables a variety of uses
4. Commercial Vendors and AI
5. Investments in AI Capabilities
 - Triton GPT, Service Now Chat Bot

AI in Administration Workgroup*

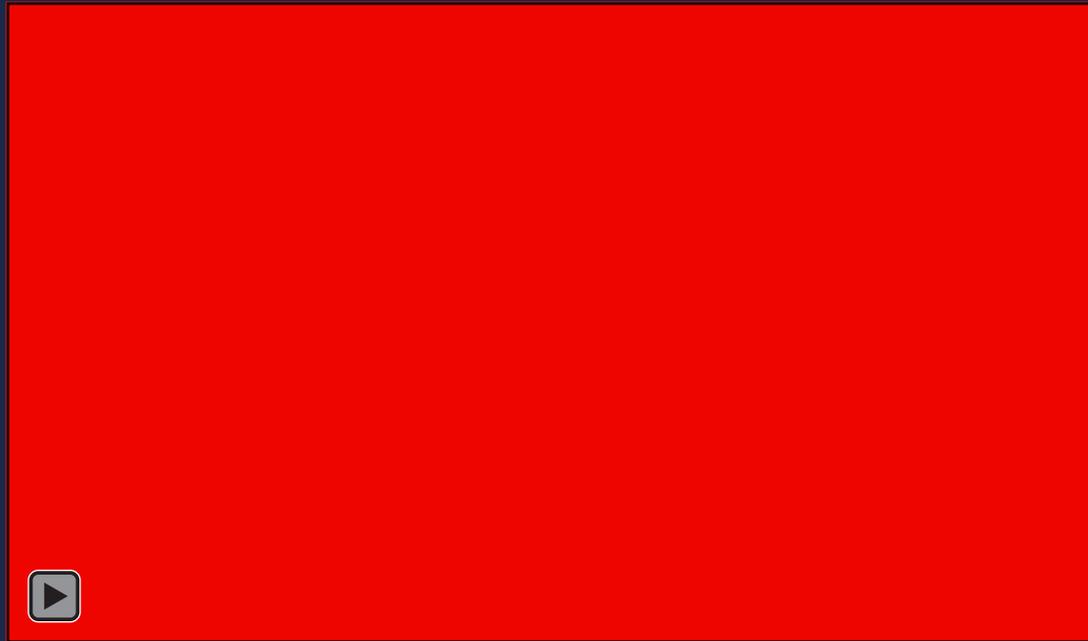
*More on this during the “Under the Hood” webinar

Purpose:

Artificial Intelligence and other advanced technologies are fast-becoming part of our everyday work processes. As with any new technology, there are risks, benefits, and challenges to consider. This workgroup will **build awareness** of UC San Diego’s AI-related strategies, **understand** and **promote** published **guidelines**, and **influence** the **safe application** of AI across the university.

- **Co-chairs:** Allorah Pradenas, Mojgan Amini
- **Sponsors:** CFO, CIO Vince Kellen
- **Participants:** ~20 representatives from university units, sanctioned by Enterprise Information Services Committee
- **Cadence:** Bi-monthly meetings and ongoing asynchronous communication
- **Key Artifacts:** List of AI initiatives & AI ideas, approach for showcasing AI outcomes & successes

TritonGPT



Assistants

UC SAN DIEGO ASSISTANT

Get answers to questions you have about UC San Diego.

GENERAL AI ASSISTANT

General purpose assistant. Use this for content generation or summarization that does not require UCSD context.

JD HELPER

Get help writing a JD Position Overview. You will be asked to provide the job title, level, and some relevant details.

FUND MANAGER COACH

Helps Fund Managers get answers to financial management questions and processes.

Search functions

Classic

What are some resources that can assist me in advancing my career at UC San Diego?

Classic

AI Answer

There are several resources available to assist in advancing your career at UC San Diego. The Career Connection program offers career counseling, resume assistance, and job search support. The program also provides access to the My UC Career portal, which offers self-paced modules for career development, including career discovery, job search, resume building, and networking. Additionally, the Staff Learning and Development team provides professional development resources, managerial and leadership development programs, team development tools, learning technology tools, and instructional design strategy and support. The UC Learning Center is also available, which offers a wide range of courses and training programs for staff development. Furthermore, the People Learning and Development team provides resources and support for employees and supervisors that are interested in career opportunities, and a variety of resources and support for employees and supervisors that are interested in career opportunities, and a variety of resources and support for employees and supervisors that are interested in career opportunities.

Results

- Career Development**
Learning and Development - **Career** Development **Career** Development Last Updated: June 9, 2023 2:41:27 PM PDT Give feedback Learn about **career** planning **resources** available to **UC San Diego** employees. **Resources** for employees - **Career** counseling is available at no cost through the following divisions of Human Resources...
- Employee Development**
... - **Career** Connection offers **career** development programs for employees and supervisors. Forms/Applications - The **UC San Diego** Performance Appraisal and Development ... employees to take advantage of their educational benefits. **Resources** - Guide to Performance Management (PDF ...)
- TritonGPT**
Diego Brand - University Centers - University Communications - **UC San Diego** Today Helpful Hints - Be specific with your questions: TritonGPT ... Check the source material: TritonGPT has access to a wide range of documents and **resources**, but it's always a good idea to check the source documents linked at the bottom of the response ...

Highlights keywords found

AI

What are some resources that can assist me in advancing my career at UC San Diego?

AI

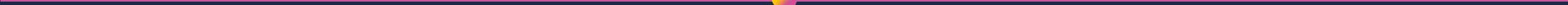
AI Answer

UC San Diego offers various resources to assist in advancing your career. The Career Connection program provides free services, including career development workshops, a staff mentorship program, and SkillScan Online, which is an interactive and engaging process for identifying transferable skills and applying the results to career planning, career change, professional development, and self-marketing for the job search. Additionally, the Staff Equal Opportunity Enrichment Program (SEOEP) provides training and career development funds to staff members who are working towards promotion or advancement in their current positions. The My UC Career portal is a systemwide online self-directed portal that helps UC San Diego employees connect to resources for career management across the organization. The portal includes self-paced modules, including Begin Career Discovery, Job Search, Resume Building, and Pre- and Post-Interview Preparation.

Results

- Career Development**
This document provides information on career planning resources available to UC San Diego employees, including career counseling, workshops, mentorship programs, and individual career consultations. It lists specific contact information and details about the resources, including phone numbers and department names.
- Employee Development**
This document provides a list of resources to support employee development and career growth at UC San Diego, including training options, career development programs, educational benefits, and online resources. It also mentions specific programs, such as the Management Skills Assessment Program (MSAP) and Career Connection, that can aid in career advancement.
- TritonGPT**
This document introduces TritonGPT, a suite of AI Assistants that can provide information on UC San Diego policies, procedures, and campus life. It mentions several resources that can be useful for career advancement, including the Career Center and Academic Personnel website. TritonGPT also offers tools like the Job Description Helper, which can assist in creating job descriptions.

Summarizes pages found



What are some processes you support?

(Think – *elevator pitch* for what your days consist of)

Tip: Narrowing down to language related tasks
will help with finding opportunities for AI support.





Demo: Let's give
TritonGPT a try



Hiring Process – example steps

	Current PT
• Write a job description	~60 minutes
• Post on hiring sites	~20 minutes
• Check HR policy for interviews	~30 minutes
• Prepare funding of role	~30 minutes

Hiring Process – example steps

	Current PT	AI PT
• Write a job description	~60 minutes	~30 minutes
• Post on hiring sites	~20 minutes	~10 minutes
• Check HR policy for interviews	~30 minutes	~15 minutes
• Prepare funding of role	~30 minutes	~15 minutes

Relatable

Resourceful

Innovative

Focused

Polished

AI BRAINSTORMING

using AI to be more at work

Equitable

Accessible

Creative

Considerate

Quality driven

Aligned

Hiring Process – Quality

- Write a job description
 - Post on hiring sites
 - Check HR policy for interviews
 - Prepare funding of role
- Policy compliance
- Tone (Better applicant pool)
- Avoid lawsuits
- Reduce errors

~~Prompt Engineering~~

Prompt-ing ?

Communicating

START - Basic prompting

Applicable to many AI tools

SITUATION

Provide context regarding the need.

Example: I am a staff member who is preparing to lead a team building event.

TASK

What are you trying to accomplish?

Example: Write an invitation to the event, asking staff to provide dietary restrictions.

ACTION

What output format is best?

Example: Email format with no more than two paragraphs.

REFERENCES

Are there resources the tool should consider?

Example: Include a summary of the following "TEXT"

TONE

Who is your audience?

Example: Write in an excited but professional tone.

EDIT - Prompting part 2

Your initial response is just the start!

EXPAND

Update the tone or layout.

Example: Tell me more about (section of response text).

DIRECT

Provide boundaries for the model.

Example: Only provide content if you are certain it is true.

INVESTIGATE

Ask follow-up questions.

Example: What are the likely outcomes if I don't provide lunch?

TRIM

Condense or expand upon areas.

Example: Revise the response to be no more than two paragraphs.

Didn't get a solid response?

CONSIDER THE FOLLOWING

- Are you in the right assistant?
- Did you leverage Prompting guidance?
- Try a new chat using a different sentence structure

LET US KNOW WHEN THINGS GO WELL,
OR WHEN THEY DON'T

Provide additional feedback

What did you like about this response?

Provide additional feedback

What was the issue with the response? How could it be improved?

- The response was too slow
- The response incorrect
- The response did not include UCSD-specific knowledge
- The response was harmful / unsafe

Submit feedback

TIP: If you have a link to a “source of truth” please include it in your feedback

Helpful actions

- Update pages you own
- Submit ideas/requests
- Share use-cases
- Provide feedback



Build intentionality

- Virtual background
- Schedule time
- Process mapping

TIP: Promapp and LucidChart are available for staff to create process maps!



Resources! – Collection at tgpt.ucsd.edu

TritonGPT

Release Notes

Fund Manager Coach beta

Resources & Training

Terms of Use

TritonGPT Resources & Training

Last Updated: September 4, 2024 4:11:12 PM PDT [Give feedback](#)

Welcome to the TritonGPT Training Hub

This page is designed to provide staff with access to a variety of training resources and templates, all in one convenient location. Whether you're looking to improve your skills with AI or learn more about TritonGPT specifically, we've got you covered. Our training links and templates are carefully curated and regularly updated to ensure that you have the most comprehensive and reliable support at your fingertips.

[+ Expand All](#)

- [AI Essentials at UCSD: Asynchronous Courses](#)
- [Ask A Human](#)
- [Frequently Asked Questions](#)
- [Videos and Other Resources](#)
- [Webinars](#)

Resources – Self paced AI intro

Available for all audiences

The screenshot displays the course interface for "AI Essentials for All Audiences". The left sidebar shows a navigation menu with sections: FOUNDATIONS (Welcome, Foundational Terms), OVERVIEW (History and scope, Check it out!, AI functionality), and SUMMARY (Knowledge check, Recap and Next Steps, Conclusion). The main content area is titled "Module 1: Introduction to AI" and features the UC San Diego logo. A progress indicator shows "0% COMPLETE". The main heading is "Welcome to the Course!". Below this is a video player with a play button and a 01:01 duration. The video content reads: "To showcase one of the many possibilities, you will find AI-generated narrations throughout the module. Press play to listen to the narration of the text below." Below the video, a paragraph states: "We're thrilled to have you join us as we dive into the world of Artificial Intelligence (AI) and discover how it can support our processes. In this module, we will demystify AI concepts and explore the potential to enhance efficiency, decision-making, and innovation."

Resources – Self paced TGPT guide

UCSD staff only

The screenshot shows a web interface for a course titled "AI Essentials at UCSD: Module 2 - TritonGPT". The page is 0% complete. The sidebar menu includes sections for "FOUNDATIONS" (Welcome, Setting the tone) and "TRITONGPT" (Overview of TritonGPT, Understanding the Assistants, Advancing the model and our skillsets). A "SUMMARY" section includes "Recap and Resources". The main content area has a header "TritonGPT - Assistants" and the UC San Diego logo. The text explains that ITS has created "Assistants" to meet staff needs, and encourages users to practice by opening TritonGPT.

AI Essentials at UCSD: Module 2 - TritonGPT

0% COMPLETE

FOUNDATIONS

- Welcome
- Setting the tone

TRITONGPT

- Overview of TritonGPT
- Understanding the Assistants
- Advancing the model and our skillsets

SUMMARY

- Recap and Resources

EXIT COURSE

TritonGPT - Assistants

UC San Diego

Assistants

To meet the diverse needs of our staff, ITS has created an initial set of "Assistants" in TritonGPT to meet the needs of the moment. Think of each "Assistant" as an ally who is trained on specific sets of information. Over time additional assistants can be created, along with new features and opportunities. We invite you to try these four and help us shape their uses. We will apply what we learn from these assistants as we develop new ones in the future!

If you would like to practice as you proceed, we encourage you to open [TritonGPT](#) and use the examples provided or try your own.

CONTINUE

Resources – YouTube mini-examples

Available for all audiences

Home
Shorts
Subscriptions
You

Everyday I AI - Short Example Uses of AI

OSI UCSD
24 videos 1,096 views Last updated on Jul 2, 2024

Play all Shuffle

A collection of example uses and tips for generative AI tools. This series uses the UC San Diego tool "TritonGPT" but the prompting tips and examples apply to many AI tools. New videos will be posted each week.

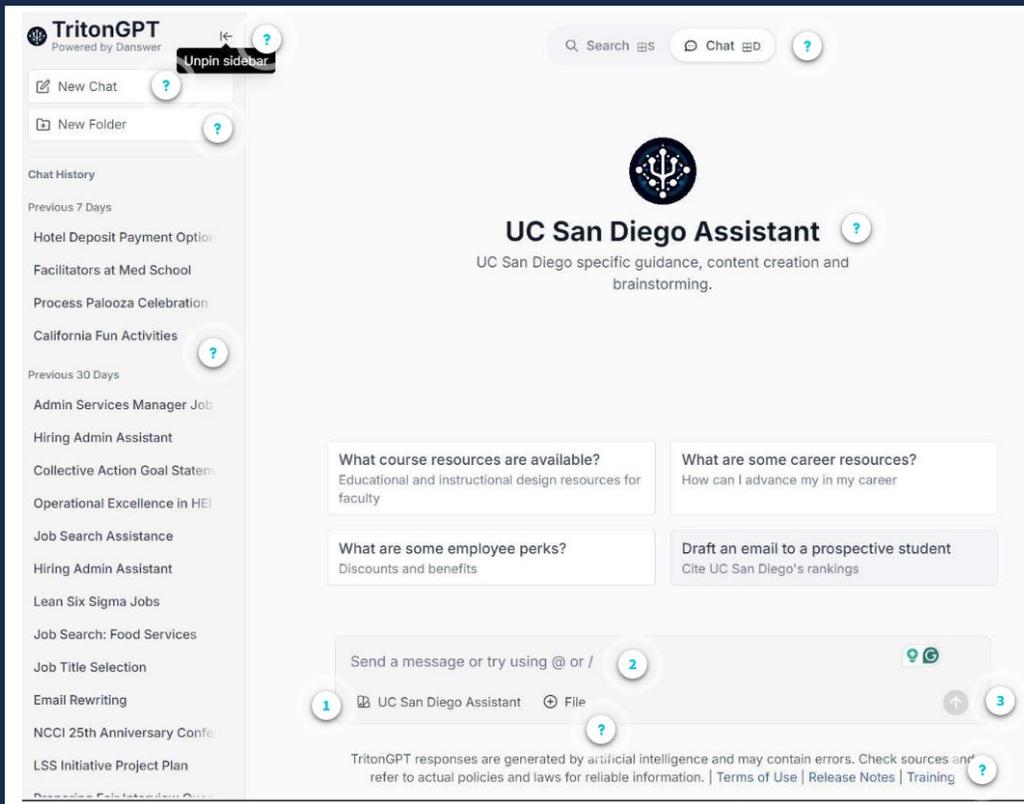
NOTE: Videos 00 & 01 are introductory. Videos 2&3 discuss prompting approaches. Videos 4 onward are the specific use examples.

- 1 **Everyday I AI - 00 - Kickoff**
OSI UCSD • 224 views • 4 months ago • 2:48
- 2 **Everyday I AI - 01 - TritonGPT Introduction**
OSI UCSD • 215 views • 4 months ago • 3:03
- 3 **Everyday I AI - 02 - Prompting**
OSI UCSD • 139 views • 4 months ago • 3:55
- 4 **Everyday I AI - 03 - Prompting Next Steps**
OSI UCSD • 99 views • 4 months ago • 4:16
- 5 **Everyday I AI - 04 - Email to Coworker**
OSI UCSD • 103 views • 4 months ago • 2:28
- 6 **Everyday I AI - 05 - Parking Information**
OSI UCSD • 89 views • 4 months ago • 2:16
- 7 **Everyday I AI - 06 - Performance Appraisal Statement**
OSI UCSD • 136 views • 4 months ago • 3:13

NOTE: The first few videos setup TritonGPT and prompting. Videos from #4 onward are actual prompts.

Resources – Micro-learning

Available for all audiences



U Guide

START - Basic Prompting

Applicable to many AI tools

SITUATION	TASK	ACTION	REFERENCES	TONE
Provide context regarding the need.	What are you trying to accomplish?	What output format is best?	Are there resources the tool should consider?	Who is your audience?
Example: I am a staff member who is preparing to lead a team building event.	Example: Write an invitation to the event, asking staff to provide dietary restrictions.	Example: Email format with no more than two paragraphs.	Example: Include a summary of the following "TEXT"	Example: Write in an excited but professional tone.

Prompting Guide

Resources – Ask around!

Ask AI anytime

Ask a Human during our open Zoom times



AI Essentials at UCSD: Asynchronous Courses

Ask A Human

There are open drop-in times where you can consult with an "expert" to help you get started. Dates and times will vary, but the Zoom link will always be: <https://ucsd.zoom.us/j/7224253283?omn=93843440789>

- Friday September 20th, from 2:30pm-3:30pm
- Friday September 27th, from 2:30pm-3:30pm
- Friday October 4th, from 8:30am-9:30am
- Friday October 11th, from 8:30am-9:30am
- Friday October 18th, from 2:30pm-3:30pm

Frequently Asked Questions

I am a project manager. Most of my tasks involve scheduling, tracking tasks, and keeping within budget. What are some specific prompts I can use in my role?

AI As a project manager, you can leverage AI tools to streamline your tasks, improve efficiency, and make data-driven decisions. Here are some specific prompts you can use in your role:

Scheduling and Task Management

- "Create a Gantt chart for a project with the following tasks: [list tasks]. Assume a start date of [date] and a duration of [number] weeks."
- "Prioritize tasks for a project based on their urgency and importance. Provide a list of top 5 tasks to focus on first."

Tracking Tasks and Progress

- "Analyze the project's progress and provide a status update, including percentage complete, tasks completed, and tasks pending."
- "Generate a report on task completion rates for each team member. Highlight areas for improvement."

Budgeting and Cost Management

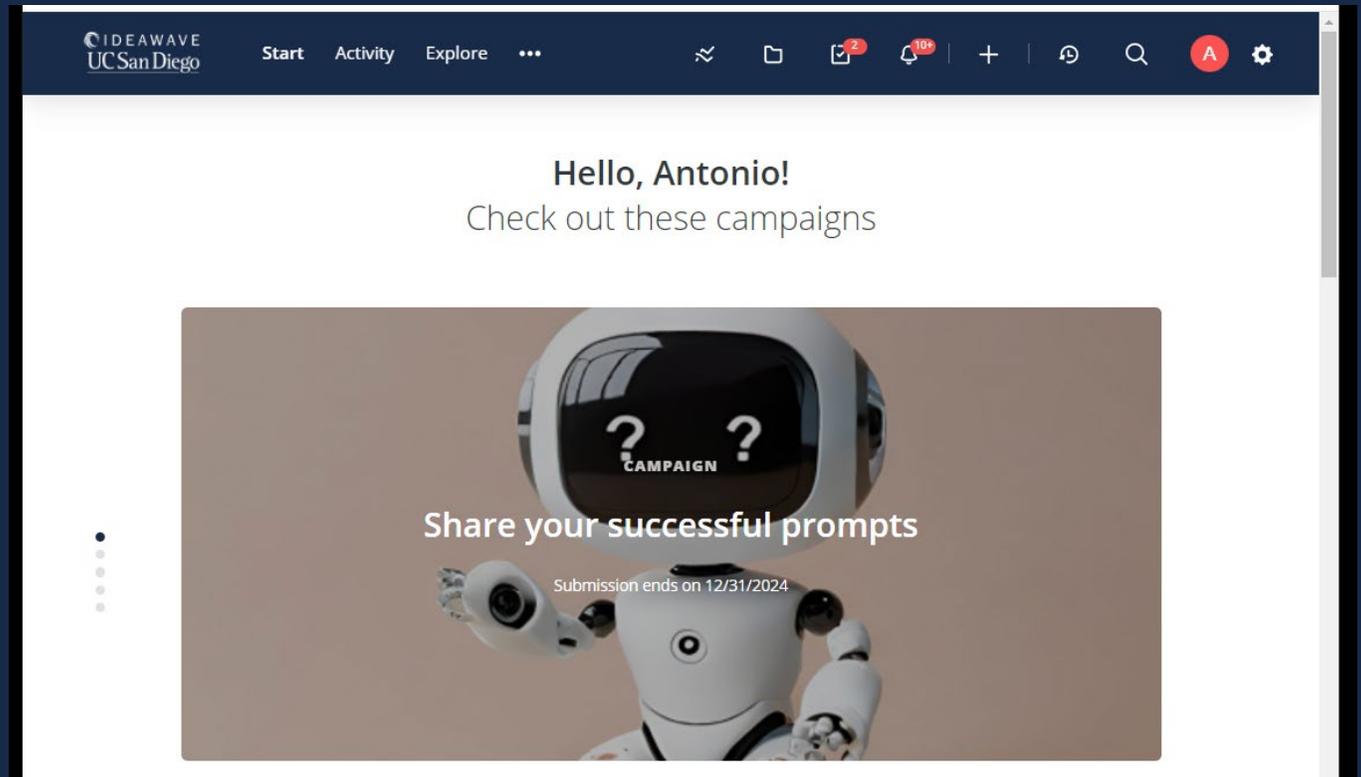
- "Estimate the total cost of a project based on the following tasks and resources: [list tasks and resources]."
- "Create a budget breakdown for a project, including [list categories]. Allocate funds to each category."

Risk Management and Quality Assurance

- "Identify potential risks associated with [project]. Provide a risk assessment and mitigation plan."

Share growth

- Discuss with your teams
- Add to the IdeaWave Campaign
- Send us examples for “Everyday I AI”

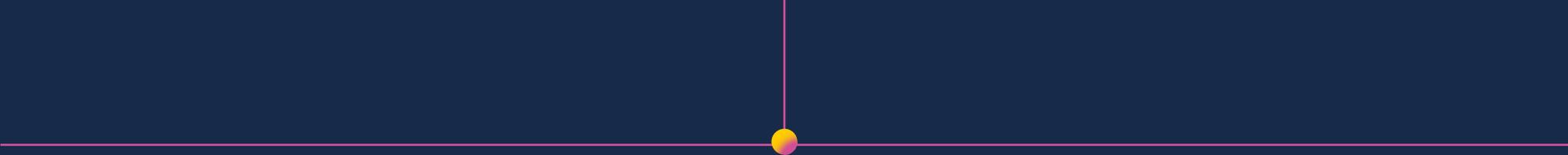


TIP: Try the “share” button in your prompt history

What's next?

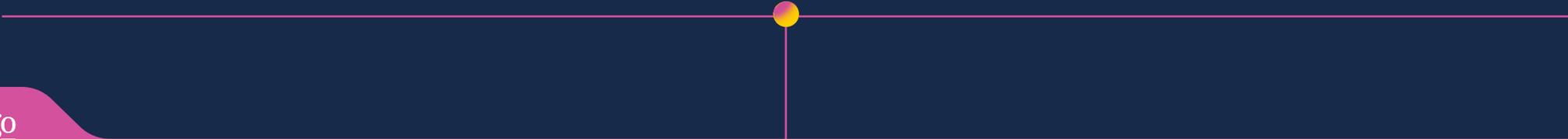
- Webinars: AI in Education, AI Hardware & Software, and more
- Recording and slides posted – feel free to share out
- Participate in our survey to share thoughts on AI adoption →
- Step forward to create a **community of practice!**





Questions?

FUN FACT: Nearly all images were AI generated



THANK YOU!