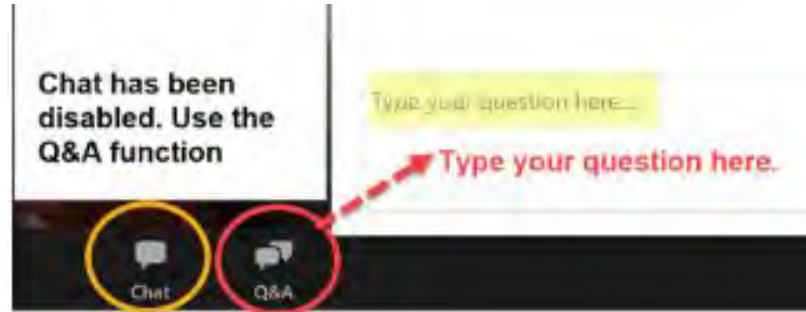


WELCOME

- ❑ There will be no sound until the webinar begins.
- ❑ *To ask a question of the presenters, use the Q&A option.* The presenters may stop periodically to answer questions or address them after the webinar.
- ❑ **Chat** is for you to notify the hosts if you are having technical issues.

- ❑ A link to a brief survey will show in the browser when the webinar ends.
- ❑ The slides and a video recording of the presentation will be available a few days after the webinar on the AAUW California website.





Harnessing the Power of AI:

Innovation, Creativity,
& Social Impact

November 1, 2025

GET STARTED



PRESENTERS



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AAUW California



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Executive Director
We Connect the Dots



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President and
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AI For Kindness

Session Overview

Introduction: What is AI? How Do We Respond to New Technologies?

Part 1: AI, Education, & Change

Part 2: AI & Creativity

Part 3: AI For Social Good

Close: Open Q&A

Introduction: What is AI? How Do We Respond to New Technologies?

What Is AI?

AI = Artificial Intelligence

At its simplest, it's about creating computer systems that can mimic human intelligence to perform tasks.

Think of abilities like:

- **Learning** from examples (like a student)
- **Reasoning** to make decisions (like a doctor)
- **Perceiving** the world (like "seeing" an X-ray)

The "Engine" We're Hearing About: LLMs

LLM = Large Language Model

This is the core technology behind tools like ChatGPT, Claude, Gemini using "Deep Learning" algorithms

How it works (in a nutshell):

- The AI models are "trained" on a massive amount of text from books, articles, and the internet. It was also (and still is) trained on images.
- It learns the patterns, context, and structure of human language.
- This allows it to **understand** complex questions and **generate** new, human-like, and helpful text and images.

Why it matters: LLMs are making AI much more conversational, accessible, and powerful for new "for good" applications.

AI & “New” Technologies

The introduction of any new technology is not neutral. We negotiate the meaning and application of new technologies together.





AI & “New” Technologies

- We all collectively have control over the way that new technologies are integrated into society.
- Understandings of new technologies and their uses are culturally coded– both their creation and their use reflect something about who we are.
- Even while we have control over their uses, they usher in cultural shifts, changing the ways in which we perceive the world and interact with one another.

AI & “New” Technologies

Because new technologies can impact our lives, and challenge some of our deeper understandings of being human, when a new technology is introduced, we often have a lot of (polarizing) feelings about them.



AI & “New” Technologies

Polarizing feelings: will this technology DEGRADE or REVOLUTIONIZE our society?



A.I. ‘COULD WIPE OUT HUMANITY’

Threat ‘as bad as nuclear war’ MUST be tackled, say tech bosses

Competition watchdogs gather forces to confront artificial intelligence bots

AI ‘is clear and present danger to education’

School leaders announce joint response to tech

UK and US in challenge to tech firms over growing power of AI

Two years to save the world, says AI adviser

Sumit's expert warns of blowup and cyberattack threats

EXCLUSIVE

‘Generation AI’ most fearful of losing their jobs to robots

As BT says it's replacing 10,000 workers with artificial intelligence technology...

IS THIS THE START OF THE GREAT A.I. JOBS BLOODBATH?



BT to replace staff with AI as part of huge cuts

SPY BOSS WARNS AI
FAKERY 'N LIES MAY
DESTROY SOCIETY..

AI & “New” Technologies

Polarizing feelings: will this technology DEGRADE or REVOLUTIONIZE our society?



AI experts more likely than the public to say AI will have a positive effect on the U.S. over next 20 years

AI experts more likely than the public to say AI will have a positive effect on the U.S. over next 20 years

% who say they think the impact of artificial intelligence (AI) on the U.S. over the next 20 years will be ...

	Negative	Positive	Equally positive and negative	Not sure
U.S. adults	35	17	33	16
AI experts	15	56	23	6

Note: “AI experts” refer to individuals whose work or research relates to AI. The AI experts surveyed are those who were authors or presenters at an AI-related conference in 2023 or 2024 and live in the U.S. Expert views are only representative of those who responded. For more details, refer to the methodology. “Very/somewhat positive” and “very/somewhat negative” are combined. Those who did not give an answer are not shown.

Source: Survey of U.S. adults conducted Aug. 12-18, 2024. Survey of AI experts conducted Aug. 14-Oct. 31, 2024.

“How the U.S. Public and AI Experts View Artificial Intelligence”



THREE WAYS AI IS BEING USED FOR GOOD

Wildlife Protection

90%

faster camera trap image analysis using AI, freeing up experts to focus on conservation plans.

Cancer Diagnosis

13%

boost in early breast cancer detection, using AI and anonymized patient data.

Food Production

21%

increase in crop growth per acre in a recent pilot when farmers used AI tools.

Used responsibly, AI tools can help people tackle some of the world's biggest challenges.

Sources: “Wildlife Monitor Fund, 2024, 2024. Based on images reviewing each photo for 2 seconds on 1,000 photos per hour. Wildlife Insights AI can reduce 10,000 images per hour. “Natural Productive, 2024, 2024. “Trendline, 2024.

AI & “New” Technologies

Polarizing feelings: will this technology DEGRADE or REVOLUTIONIZE our society?

A.I. ‘COULD WIPE OUT HUMANITY’

Threat ‘as bad as nuclear war’ MUST be tackled, say tech bosses



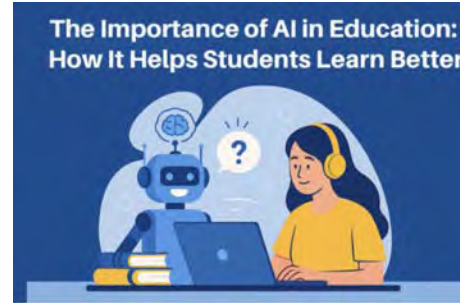
The answer is likely somewhere in the middle and depends on US.

Part 1: AI, Education, & Change

AI, Education, & Change

**AI 'is clear
and present
danger to
education'**

School leaders announce joint response to tech



Negatives

- Cheating
- Misinformation & Bias
- Lack of Critical Thinking

Positives

- Accessibility
- Personalization
- Reduced Workload for Teachers

REALITY: some of these negatives and positives existed prior to AI integration! BUT how can we use AI to achieve more positive ends?

AI, Education, & Change

How can we use AI to achieve more positive ends?

Welcome to Posc 317: Queer Law



Integrating AI More Productively

- Teaching students how to use AI productively.
- Showing students why using AI to do ALL of their work is detrimental to them—and the things they believe in.

AI, Education, & Change

How can we use AI to achieve more positive ends?

Welcome to Posc 317: Queer Law



Classroom Management & Pedagogy

I can now shift in ways that I have wanted to, but that might have been less acceptable in the past, because AI is FORCING educators to rethink their approaches and has made some kinds of innovation more acceptable.

AI, Education, & Change



Part 2: AI & Creativity

Empowering young women in civic leadership

Gratitude & Roots: AAUW California Gov Trek

Former Gov Trek Director



UNLOCKING AI-POWERED CREATIVITY

for equitable access,
education, and
opportunity



THE PROBLEM:



**AI is transforming work,
learning, and life. No one
should be left out of the
opportunities it creates.**

Education is our shared responsibility—access for everyone, everywhere.

AI Access. Education. Opportunity.

Global Gaps to Close



Digital access gap

70% of men vs 65% of women online globally; LDC: 41% men vs 29% women.



ICT education

Women earn ~30% of tertiary degrees globally



AI jobs/workforce

Women hold ~30% of AI jobs globally.

Global youth unemployment: ~13%



THE SOLUTION
**Advancing AI fluency and
economic inclusion**

in partnership with
industry, government,
and education.

We Connect The Dots — Mission & Programs



- 01 — **Mission:** empower learners with digital and AI skills to thrive in the future of work
- 02 — **Programs:**
 - **UpSkill NY:** literacy → fluency → portfolio
 - **Global Hackathon:** free training + mentorship for SDG prototypes
 - **Global AI Summit:** GenAI- Prompting for Progress
- 03 — **Engage:** refer students, sponsor scholarships, access, and prizes

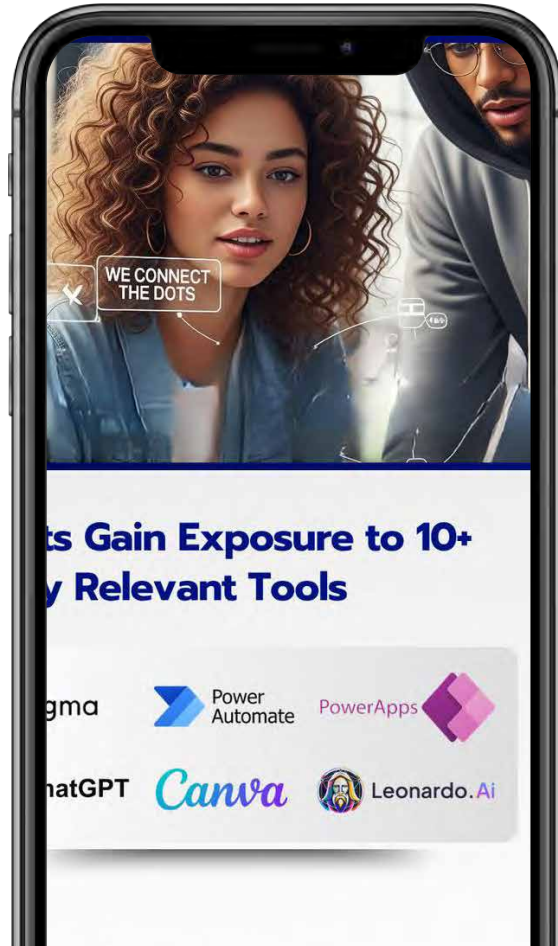
Hackathon 2025 (co-host St. Xavier's School, Burdwan, India)

Real learners • Real teamwork • Real world
impact



THE GLOBAL GOALS For Sustainable Development





UpSkill NY:

Literacy →

Fluency →

Portfolio

Unlocking Futures In Tech





Global AI Summit

From Prompting to Progress: AI for the SDGs



THE IMPACT

**Access to quality tech education builds
future-ready skills and job opportunity.**

competence, portfolios, mentors, and pathways into the workforce

THE IMPACT: Early Wins & Replicable Models

Reference: Udemy Business — 2026 Global Learning & Skills Trends Report (high-level alignment).



UPSKILL PROGRAM:

90% completed workforce training

70% completed workforce experience

65% hired by assigned workforce experience employer or enrolled in further education

HACK-A-THON PROGRAM:

91% U.S.students; 9% International

Male: 63%, Female: 37%

Over 1000 students from 50+ schools

GLOBAL AI SUMMIT

Students from 8+ countries

Male: 58%, Female: 42%

Engaged with 60+ universities worldwide

Call to Action: Become a Sponsor or Partner in Our Global Mission

shauna@wctd.org

760-670-8121


**WE CONNECT
THE DOTS**



Part 3: AI For Social Good

WHAT IS "AI FOR GOOD"?

The Big Idea: "AI for Good" is about harnessing Artificial Intelligence to address humanity's biggest challenges.

The Goal: To create a positive impact on society and our planet.

It's not just futuristic science fiction; it's about solving real-world problems today in areas like:

- Health & Hunger
- Education
- Environmental Sustainability
- Humanitarian Aid

AI FOR GOOD IN MEDICINE

Goal: To help doctors provide faster, more accurate, and more personalized care for everyone.

- AI is acting like a super-powered assistant for medical professionals.
- It's especially good at finding complex patterns in medical data (scans, health records) that humans might miss.

Seeing the Unseen

Application: AI in Medical Imaging

- AI models can be trained to analyze medical scans (like X-rays, CTs, and MRIs) to spot signs of disease earlier than the human eye.

Real-World Impact:

- Detecting diabetic retinopathy (a leading cause of blindness) from simple eye scans.
- Identifying tiny, early-stage cancer tumors in mammograms or lung X-rays.
- Earlier diagnosis leads to earlier treatment and better patient outcomes.

AI FOR GOOD IN LOGISTICS

Goal: Making sure critical resources (like food, water, and medicine) get where they need to go, as fast and efficiently as possible.

- This is essential for both global supply chains and, even more importantly, for humanitarian crises.
- Think of it as the ultimate routing and planning expert.

Logistics Example: Aid in a Crisis

Application: Humanitarian Aid Delivery

- When a disaster (like an earthquake or hurricane) strikes, chaos is everywhere. Roads are blocked, and needs are urgent.

Real-World Impact:

- AI can analyze real-time satellite images, weather data, and traffic reports.
- It instantly calculates the *fastest and safest* routes for aid trucks to deliver food and medicine to affected people.

Result: This saves fuel, money, and most importantly, lives.

AI FOR GOOD IN EDUCATION

Goal: To provide every student, regardless of their background, with a personalized learning experience.

- This moves us from a "one-size-fits-all" classroom to a model that acts like a "one-on-one" personal tutor for every student.
- This is a perfect job for an **LLM**, which can patiently converse and explain.

Education Example: A 24/7 Personal Tutor

AI Tutors (like Khan Academy's Khanmigo)

Real-World Impact:

- It doesn't just give answers. It *guides* the student, asking questions just like a real tutor would.
- It can explain a complex math problem or historical event in 10 different ways until the student "gets it."

Result: It's patient, always available, and adapts to each student's unique learning pace.

AI TACKLING FOOD INSECURITY

The Problem: In San Diego County, over 800,000 people are considered nutritionally insecure. These families and individuals struggle to find consistent, healthy food.

The Challenge:

- Finding the food pantry that fits their need and knowing when it's open.
- Overcoming language barriers. About 13% of adults in San Diego County are estimated to be limited English proficient,
- Overcoming technology impediments: lack of internet access or computer access

A Local Solution: "AI for Food" aka "Call Alfie"

- Developed and will be provided by AI for Kindness Inc., and the Feeding San Diego Food Bank Organization
- Will cover 200 to 300 food pantries in San Diego County
- Long term goal – To someday have a "Call Alfie" throughout the US

The "Good": It breaks barriers to connect people in need with critical, life-saving resources.

“CALL ALFIE” TO FIND FOOD



A multi-lingual voicebot designed specifically to help people in San Diego County using Feeding San Diego Food Bank data

How it Works (Powered by LLM & Voice AI):

- A person can call and speak naturally in their own language (e.g., Spanish, Vietnamese, English, etc.). Plan to cover over 20 languages.
- The AI **understands** their spoken question: "Where is the closest food pantry to my zip code?" or "What food pantries are open in Alpine, on Tuesday after 2pm?"
- It instantly provides them with the correct location, hours, and information in their chosen language.
- Calls are answered 24/7.

The **AI for Kindness, Inc** organization developed and will deploy “Call Alfie” in November 2025.

THE BIG PICTURE: AI IS A TOOL

Like a hammer or a computer, AI (and LLMs) are powerful tools. A tool isn't inherently "good" or "bad."

What matters is *how we choose to use it*.

The "good" comes from the humans—the teachers, doctors, aid workers, and students—who aim this technology at solving real human problems.

FULL DISCLOSURE

Gemini gave me 95% of the text you saw here in this presentation in under 2 minutes while I drank my morning coffee.

Prompt to Google Gemini 2.5 LLM (including bad spelling and grammar too):

"I need to make a 15 minute presentation to a group of current and retired teachers high school and college students. my talk will be on "AI for Good". Make a a slide deck of 15 slides for this presentation. I would like example of recent applications in medicine, logistics, education, brief explanation of what an LLM, how LLM application make these applications. Add example of "Alifie - AI for Food". Alife is a multi-lingual voicebot that helps people find food pantries in san diego county"

Close: Open Q&A



THANK YOU

Please fill out the Survey

QUESTIONS? COMMENTS? CONTACT US:

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communications@aauw-ca.org

MARIA LUPETINI, MS, MBA

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www.AIForKindness.org
President and Chairwoman of the Board

InfoMaker Inc. AI consulting firm
CEO and Founder
www.InfoMaker.com

2004 to 2018: Qualcomm Inc.
Director of Engineering, Machine Learning Group

M@InfoMaker.com



Links

SDGs = sustainable development goals <http://sdgs.un.org/goals>

Video- AI for SDGs:

https://www.canva.com/design/DAGqTsgZH_s/2Irs2u2TXUIGu9V5d7MI9A/watch?utm_content=DAGqTsgZH_s&utm_campaign=designshare&utm_medium=link2&utm_source=uniquelinks&utlId=h4cfdc48911

Video- Tech Trek San Diego:

https://www.canva.com/design/DAG1Q-Rg6co/sY4OVDxKGwngk9Q01JDdwg/watch?utm_content=DAG1Q-Rg6co&utm_campaign=designshare&utm_medium=link2&utm_source=uniquelinks&utlId=h41f8724354

Global Giving Campaign: Hackathon 2025: <https://tinyurl.com/GlobalHack25>