

Artificial Intelligence Impact

Shaping the Future of
Food, Nutrition, & Education



Katherine Goyette
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California Department of Education



Prompt: Artificial Intelligence



duet AI



adobe firefly



canva



Artificial intelligence leverages computers and machines to mimic problem-solving and decision making capabilities of the human mind.

- IBM





Can a neural network learn to recognize doodling?

Help teach it by adding your drawings to the [world's largest doodling data set](#), shared publicly to help with machine learning research.



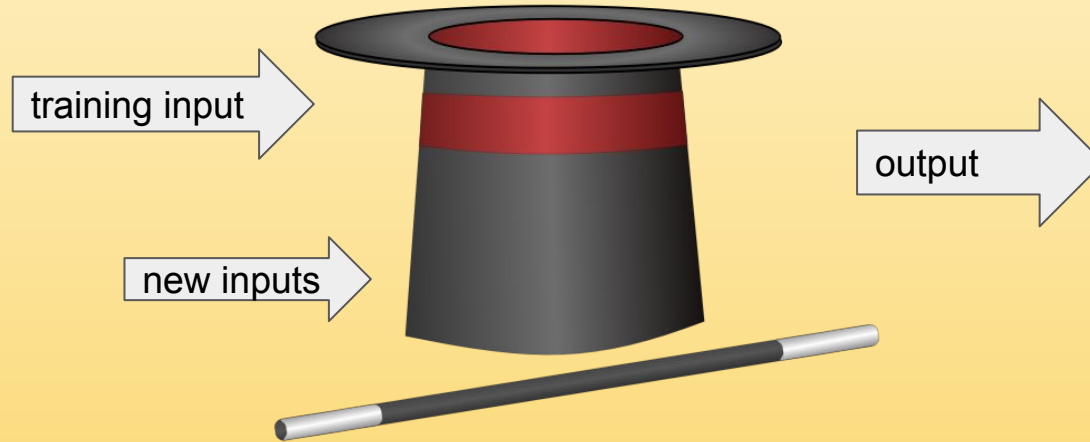
What do 50 million drawings look like?

Over 15 million players have contributed millions of drawings playing [Quick, Draw!](#) These doodles are a unique data set that can help developers train new neural networks, help researchers see patterns in how people around the world draw, and help artists create things we haven't begun to think of. That's why [we're open-sourcing them](#), for anyone to play with.

Select a drawing



Let's uncover the magic of AI



How do machines learn?





You

Can you create a healthy meal plan for me?



ChatGPT

Sure, I'd be happy to help you create a healthy meal plan! Before we get started, could you please provide me with some information?

1. What are your dietary preferences or restrictions? (e.g., vegetarian, vegan, gluten-free)
2. Do you have any specific health goals in mind, such as weight loss, muscle gain, or general well-being?
3. How many meals per day would you like to include in your plan?
4. Are there any foods you dislike or are allergic to?
5. Do you have any time constraints or preferences for quick and easy meals versus more elaborate ones?



Breakfast:

Vegetable Omelette:

- Ingredients: Eggs, spinach, bell peppers, tomatoes, onions
- Instructions: Beat 2-3 eggs, pour into a heated non-stick skillet, add chopped vegetables, cook until eggs are set, fold in half, and serve.



Snack:

Fruit and Nut Butter:

- Ingredients: Apple slices, banana, or celery sticks with almond butter or peanut butter
- Instructions: Simply spread almond or peanut butter on apple slices, banana, or celery sticks for a quick and satisfying snack.

Lunch:

Quinoa Salad:

- Ingredients: Cooked quinoa, mixed greens, cherry tomatoes, cucumber, avocado, chickpeas, lemon vinaigrette (lemon juice, olive oil, salt, pepper)
- Instructions: Combine cooked quinoa with mixed greens, cherry tomatoes, cucumber, avocado, and chickpeas. Drizzle with lemon vinaigrette and toss to combine.



Snack:

Greek Yogurt Alternative:



- Ingredients: Dairy-free yogurt (such as almond or coconut yogurt), mixed berries, and a sprinkle





You

based on this writing sample, describe the author's style, tone, strengths as a writer, and opportunities for growth as a writer:

Today's AI

1990s AI

 ChatGPT

The author's style is informative and reflective, characterized by a thoughtful and inclusive tone. They position themselves as an Xennial and edtech specialist, conveying a sense of comfort and familiarity with digital media in both personal and professional spheres. The language used is accessible, making the content approachable for a wide audience, including educators and those interested in edtech.

Strengths as a writer include the ability to articulate a clear perspective on the challenges of engaging modern learners and offering practical solutions. The author effectively weaves personal experiences, observations, and examples from a school visit to illustrate their points. The writing demonstrates an understanding of the importance of building connections between curriculum and students' lives and emphasizes the need for validation and engagement.

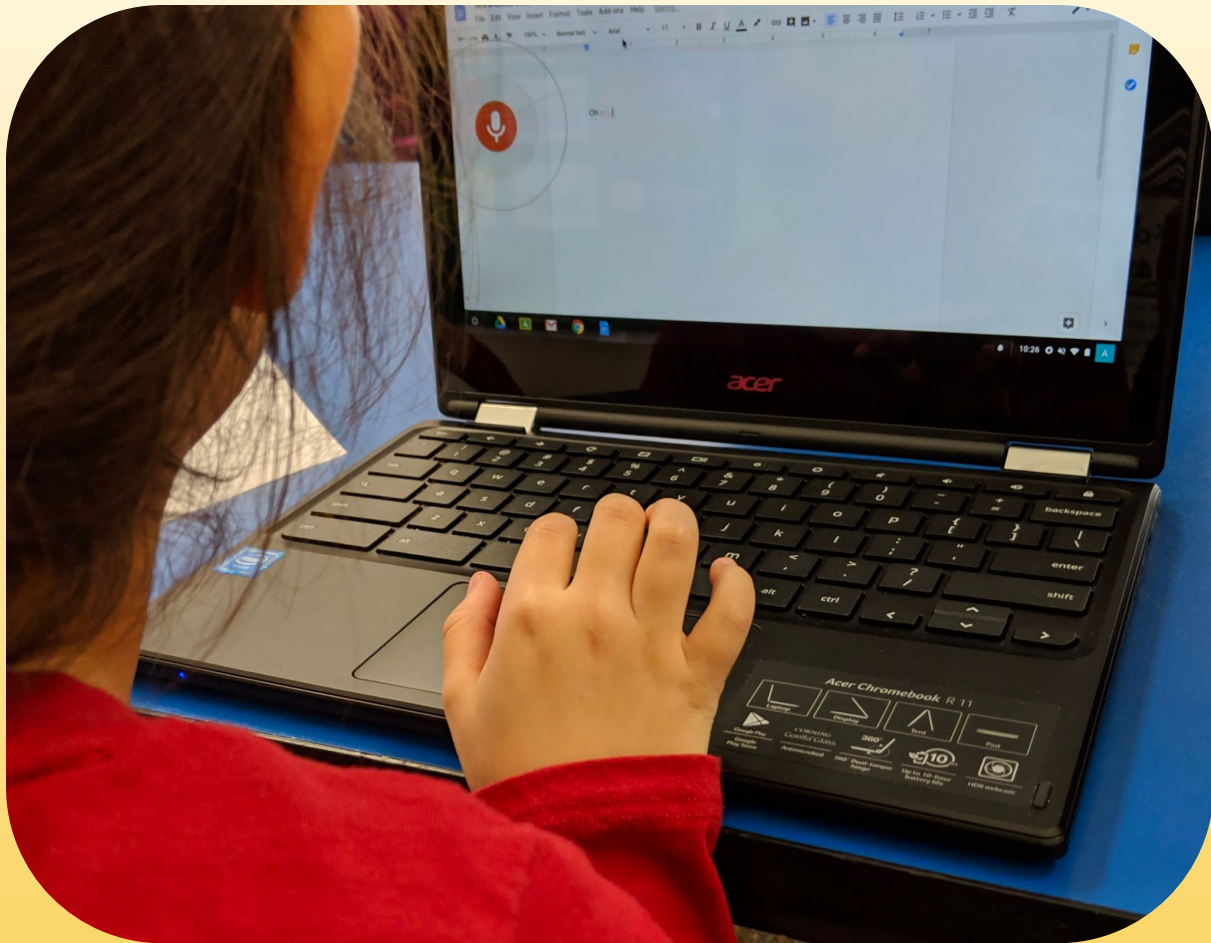
The author excels in providing concrete examples, such as the culinary teacher incorporating Tik Tok recipes and the history class using hashtags for learning. These examples make the concepts tangible and applicable for educators looking to implement similar strategies. Additionally, the author effectively integrates





Artificial Intelligence is about more than ChatGPT...





Magic ToDo

[Help ?](#)

Breaking things down so you don't



prepare for a keynote about ai in the classroom based on the california ai guidance



▼ Research the California AI guidance document



Identify key points in the document related to AI in the classroom



Prepare an outline for the keynote speech



Create a PowerPoint presentation with relevant information and visual aids



Practice and rehearse the presentation



Gather any necessary materials or props for the keynote



Arrive early to the venue and set up any technology or equipment needed



Deliver the keynote speech confidently and effectively



Engage with the audience and address any questions or concerns they may have



educators about accessibility tools, including brain research & sel



Artificial Intelligence is about more than ChatGPT...



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UC San Diego
UC SAN DIEGO TODAY

RESEARCH PEOPLE CAMPUS & COMMUNITY ARTS & CULTURE VOICES

New AI Platform Addresses Challenge of Food Deserts in Low-Income Communities



Credit: iStock



AI 4 CA

ARTIFICIAL INTELLIGENCE



LEARNING WITH AI
LEARNING ABOUT AI



FUNDAMENTAL SKILLS FOR EDUCATORS & STUDENTS



Safe Use

Review AI data collection,
user privacy



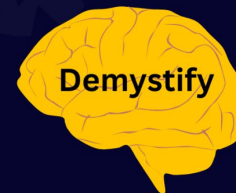
Pros **Cons**

Leverage AI capabilities,
critique inaccuracies



**Social
Impacts**

Consider presence of bias,
societal impacts of AI



Demystify

Build understanding of
how AI systems work



A still from the movie 'The Office' featuring Steve Carell as Michael Scott. He is sitting in a small boat on a lake, looking concerned. The background shows tall reeds and a house in the distance. The text 'the office' is overlaid in a white, lowercase, typewriter-style font.

the
office



AI 4 CA

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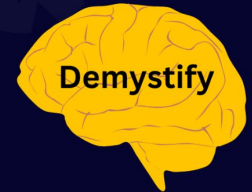
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Drive through orders may be recorded and your voice may be digitally translated.

These recordings may be stored and used for quality control checks, training purposes, and continuous improvement of our automated systems. We may disclose recordings to our trusted third-party partners for the purpose of further developing our automated systems. For more information, please see our Privacy Policy.



Taco Bell Privacy Policy

If you do not wish to use this automated ordering system, please pull forward and place your order at the window.

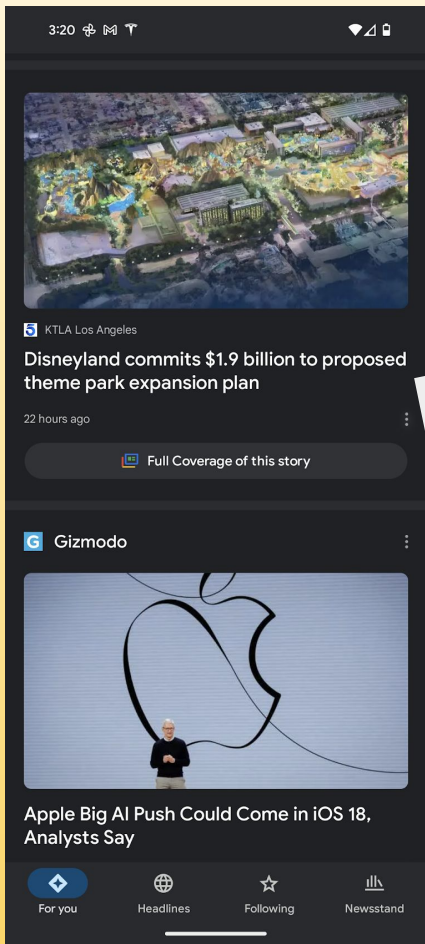


Are you collecting information about me? Who do you share this information with?



I don't have access to personal data about individuals unless it has been shared with me during our conversation. I am designed to respect user privacy and confidentiality. My primary function is to provide information and answer questions to the best of my knowledge and abilities. I don't share or store personal information, and I don't have the capability to collect information about you. My purpose is to provide information and answer questions to the best of my knowledge and abilities. If you have any concerns about privacy or data security, please let me know, and I will do my best to address them.





What does
Google know
about me?

Google



- 🕒 usemotion gif
- 🕒 predictions about ai and education
- 🕒 ctc, computer science, supplemental program
- 🕒 ai usage sheet for students in classroom
- 🕒 steam symposium 2024
- 🕒 ai in pop culture over the years
- 🕒 what is artificial intelligence
- 🕒 new york times sues openai



Ron's Gone Wrong
2021 film



Cyberdyne



AI 4 CA

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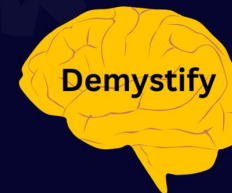
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THERE'S AN AI FOR THAT

11,422 AIs for 🤖 16,606 tasks and 4,847 jobs.

Powered by Venturekit (Business plans).

Face swapping 2018-09-25

Deepfakesweb

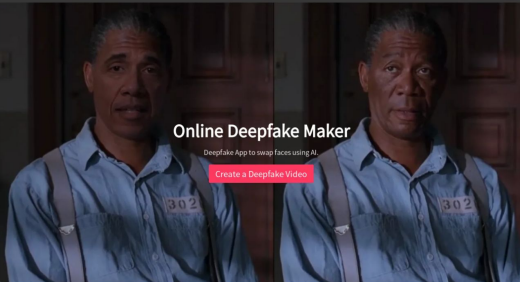
★ 3.0 (4) 115

Online video manipulation software.

Visit website

Overview Reviews Pros & Cons Q&A Alternatives Jobs See also

EPFAFES... Celebrity Deepfakes Premium Sign up Log in



Primary task

Face swapping

#28 most recent

video image From \$9/mo

Most popular alternative: [Deepswap](#) (1,138 saves)

View all 27 alternatives

Recommendations

AI Generated by ChatGPT

Virtual girlfriend 2024-01-02

DreamGF AI Girlfriend

No ratings 8

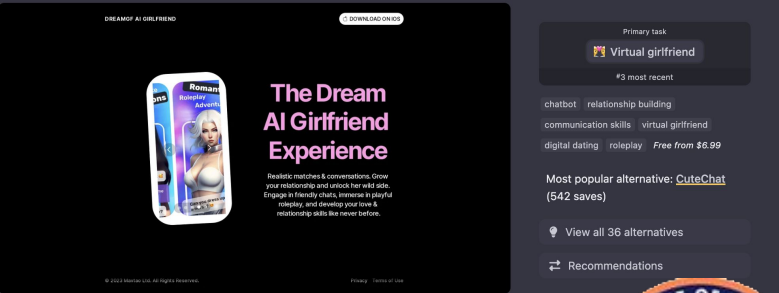
Visit website

Save

By [Zhaoning Xu](#)


Engaging AI girlfriend chatbot for playful interaction.

Overview Reviews Pros & Cons Q&A Alternatives Jobs See also



DREAMGF AI GIRLFRIEND

DOWNLOAD ON iOS



The Dream AI Girlfriend Experience

Realistic matches & conversations. Grow your relationship and unlock her wild side. Engage in friendly chats, immerse in playful intimacy, and develop your love & relationship skills like never before.

Primary task

Virtual girlfriend

#3 most recent

chatbot relationship building communication skills virtual girlfriend digital dating roleplay Free from \$6.99


Most popular alternative: [CuteChat](#) (542 saves)

View all 36 alternatives

Recommendations





 **NBC NEWS**

October 2023

• White House AI Bill of Rights

• CDE AI Guidance



Safe & Effective
Systems



Algorithmic Discrimination
Protections



Data Privacy



Notice & Explanation



Human Alternatives, Consideration, & Fallback



Evaluate terms of use
Data collection guidelines
Ethical use policies



Emphasize human
connection to support
mental health



November 2023 – CA GenAI Report Released

- CA Generative AI Report & CDE AI Guidance: Parallels
 - Highlights unique capabilities & risks of generative AI
 - Discusses beneficial use cases of AI according to context of audience
 - Emphasize need for ethical use policies & guidelines (i.e. data privacy, security, transparency, potential biases)
 - Identifies risks (biases, inaccuracies of outputs, potential harms from misuse, security vulnerabilities)
 - Need for workforce training on utilizing generative AI tools



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bit.ly/CDE_AI

ARTIFICIAL INTELLIGENCE



LEARNING WITH AI
LEARNING ABOUT AI



UTILIZING AI IN SCHOOLS

Enhance academic learning in all content areas

WHY?

Planning & workflow
support

Accessibility &
personalization

College/career readiness

Address digital use divide



HOW?

Evaluate terms of use

Data collection guidelines

Ethical use policies

Emphasize human
connection to support
mental health

DEVELOPING AI IN SCHOOLS

Explore and create within computer science

WHY?

Expand access for traditionally
underrepresented groups

Empower learners to design systems to
solve challenges

HOW?

Integrate AI skills & CA computer
science standards into curriculum

Integrate 5 big ideas in AI (ai4k12.org)



What's your next step in the drive toward healthy use of AI for our society?

