## We Learn From Al

Alice Zhao

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## Alice Zhao

- Born and raised in Qingdao, China; studied in Seattle; now in Chicago
- B.A in Economics at University of Washington; MBA at University of Chicago Booth
- Senior Product Manager at Microsoft; Founder of the Good Village; Ex-Amazonian



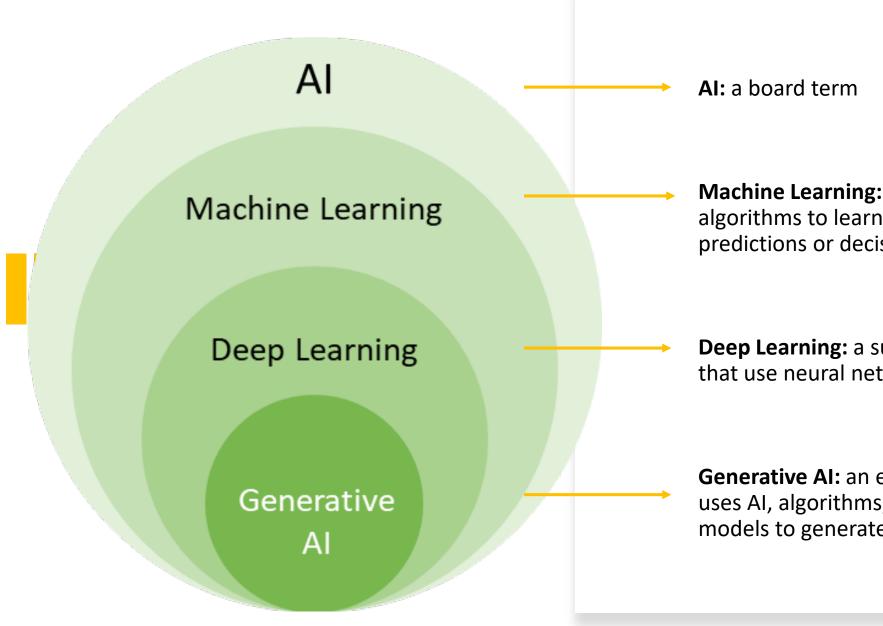
## Agenda

- The Basics
- Learning Empowered by GenAl
- What Lies Ahead



'The illiterate of the 21st century will not be those who cannot read and write, but those who cannot **learn**, **unlearn**, **and relearn**'

- Alvin Toffle American write, futurist, and businessman

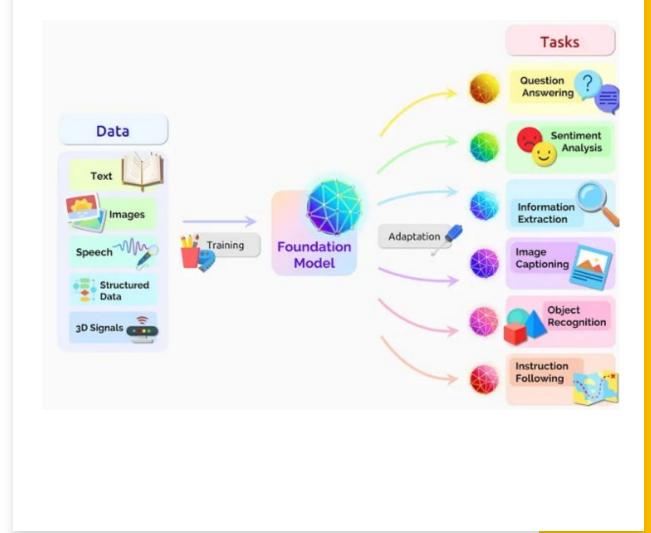


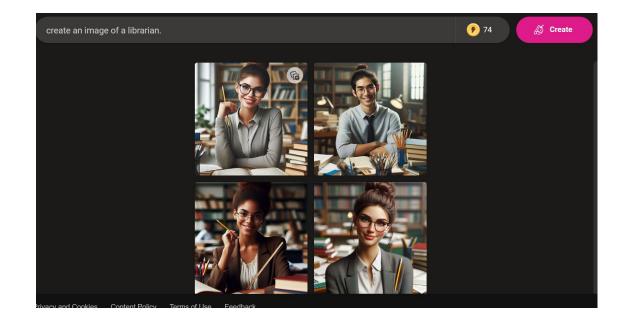
Machine Learning: a subfield of AI that uses algorithms to learn from data and make predictions or decisions

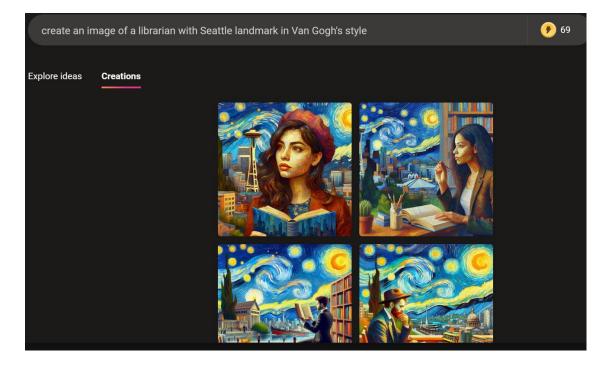
**Deep Learning:** a subset of machine learning that use neural networks to learn from data

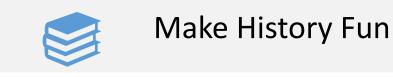
**Generative AI:** an emerging technology that uses AI, algorithms, and large language models to generate content

# What is Generative Al

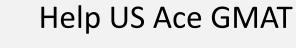








# We Learn From AI





'Tutor' in the Kitchen

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# Learn about history

- Create Charts, Timelines, and Tables to help memorize
- Make history come to live
- Inspire Critical Thinking



## Timeline

## Table

#### 😩 You

give me a timeline of the civil war of China with an easy to remember title

#### 🧑 Copilot

Certainly! Let's create an easy-to-remember title for the Chinese Civil War (1945-1949), which was a significant military struggle for control of China. Here's a succinct timeline:

1. World War II Ends: In 1945, World War II concluded, but conflict persisted in China.



2. Nationalists vs. Communists: The Nationalists (led by Chiang Kai-shek) and the Communists (led by Mao Zedong) vied for power.

3. United Front Collapses: Despite wartime cooperation, the United Front collapsed, and internal tensions escalated.



4. Marshall Mission: The civil war reignited, with both sides racing to secure resources and territories.



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5. Communist Ascendancy: By 1946, the Communists gained momentum, aided by Nationalist inefficiency. 6. Communist Victory: In 1949, the Communists emerged victorious, establishing the People's Republic of China 12. Remember: "From Conflict to Revolution: China's Path." CN 🔶 Learn more 1 \$4 britannica.com 2 \$4 britannica.com 3 🖀 en.wikibooks.org 4 w en.wikipedia.org 3 ♀ □ ↓ 啟 ᢏ) ●1 of 20

(?) Tell me more about the key battles. What were the major turning points? How did foreign powers influence this war?

🕼 New topic Ask me anything.. 50 0/2000 >>

#### 😩 You

summarize the three most important leaders in chinese civil war with their name, affiliation, role, contribution in a table format.

#### Copilot

Certainly! Here's a concise summary of the three most important leaders in the Chinese Civil War:

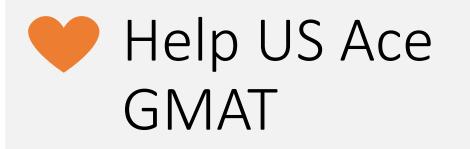
Table			8
Leader	Affiliation	Role	Contribution
Mao Zedong	Chinese Communist Party	Chairman and strategic leader	Led the Communists, implemented land reforms, and orchestrated the Long March.
Chiang Kai-shek	Kuomintang (Nationalists)	Leader of the National Revolutionary Army	Fought for Nationalist cause, attempted unification, but faced internal challenges and setbacks.
Zhu De	Chinese Communist Party	Key military commander	Instrumental in shaping the People's Liberation Army, contributing to Communist victory.

Remember these names as they shaped China's destiny during a tumultuous period! CN 🥚

# Learn about history

- Create Charts, Timelines, and Tables to help memorize
- Make history come to live
- Inspire Critical Thinking





- Provide personalized study plan
- Focus on areas need improvement

• Do what an experienced tutor can do at scale

#### Copilot

Okay, here are five more difficult questions on subject-verb agreement. The underlined part of each sentence may contain an error. Choose the best answer from the five options given. If there is no error, choose E.

1. The committee are divided on the issue of health care reform. No Error

A) are

B) divided

• C) on the issue

• D) of health care

E) No Error

• Answer: A

2. Neither the coach nor the players has any comment on the scandal. No Error

A) Neither

B) nor

• C) has

• D) any comment

E) No Error

• Answer: E

3. The news were shocking to everyone who heard it. No Error

A) The news

B) were

C) shocking

D) who heard it

E) No Error

• Answer: B

7. Zookeepers have expanded one's definition of care to include concern for the animal's mental state as well as for its physical well-being.

(A) have expanded one's definition of care to include

(B) have expanded one's definition of care, including

(C) expand their definition of care they include(D) expanding the definition of care to include

(E) have expanded their definition of care to include



# 'Tutor' in the Kitchen



Forgotten, now a science experiment! Lack of Planning

Brought two zucchini, though four at home! Lack of Motivation



I know should eat it, but why!

## Paper Receipt to Virtual Pantry

# Track your inventory anywhere at anytime



All 30 Fridge 15 Freezer   All 30 Fridge 16 Freezer   All 30 Freezer Freezer   All 30 Freezer Freezer	X				earch your par Fridge 15	Freezer
MARKET   Expiring in 2 dayst     365 00 UNSHIT ALMO MK   \$3.49 F     307 00 HALF AND HAK   \$3.49 F     305 00 UNSHIT ALMO MK   \$3.49 F     305 01 UNSHIT ALMO MK   \$3.49 F     305 02 UNSHIT ALMO MK   \$3.49 F     305 02 UNSHIT ALMO MK   \$3.49 F     305 03 UNSHIT ALMO MK   \$3.49 F     305 05 UNSHIT ALMO MK   \$3.49 F     30.00 UNSHIT ALMO MK   \$3.49 F     30.00 UNSHIT   \$1.39 F     30.00 UNSHIT   \$1.49 F     30.00 UNSHIT   \$1.49 F     30.00 UNSHIT   \$1.49 F	WHOL	E		Shell	ed Edamame	rieezer
365 0G UNSHT ALKO KLK   \$3.49 F   \$3.49 F   Expliciting in 2 days1     365 0G UNSHT ALKO KLK   \$3.49 F   \$4.99 F   \$4.99 F     365 0G UNSHT ALKO KLK   \$4.99 F   \$4.99 F   \$5.69 C   \$4.99 F     365 0G OKN BREAST   \$6.43 F   \$9.020   \$9.80 F   \$9.020     0.92 10 & \$5.99 7 b   \$1.99 F   \$1.99 F   \$1.99 F   \$1.99 F     1 & 2 for \$5.00 USIN RUEEDS   \$1.99 F   \$1.99 F   \$1.99 F   \$1.99 F     1 BULE BAN ON TON   \$1.99 F   \$1.99 F   \$1.00 F   \$1.99 F     0.43 10 & \$3.99 7 1b   \$1.13 F   \$2.49 F   \$3.99 7 b   \$1.99 F     0.55 0G SHELLD FEMAME   \$2.99 F   \$2.49 F   \$3.99 7 b   \$1.99 F     0.65 10 \$3 \$1.99 7 b   \$1.13 F   \$2.49 F   \$3.99 7 b   \$1.99 F     0.65 10 \$3 \$1.99 7 b   \$1.99 F   \$2.49 F   \$3.09 7 b   \$3.09 7 b						
OVF 0G HALF AND HALF   \$3.49 F     BRAGE LIDUID AMINOS   \$4.99 F     365 0G DAWN BEEAST   \$2.99 F     0.92 1b # \$6.99 / 1b   \$6.43 F     BYO RAUSABLE BAD DN   -10.20     DRSCL BLUEBERRIES   \$2.50 F     DRSCL OG STRAMERERIES   \$3.99 F     LICE LONG BROWN RICE   \$1.32 F     DRSCL OG STRAMERERIES   \$1.72 F     DAGT DO BAS 3.99 / 1b   \$1.72 F     Tare weight 0.01b   \$1.99 F     0.63 1b # \$1.69 / 1b   \$1.72 F     DAGT DO BAS \$1.99 / 1b   \$1.13 F     CV 2UCCHINI   \$2.49 F     OG CARNOTS BUNCH   \$2.49 F     OG CARNOTS BUNCH   \$2.91 F     CV 2UCCHINI   \$2.91 F     O, 58 1b 1b \$1.99 / 1b   \$2.91 F     CV 2UCCHINI   \$2.91 F     OV 2UCCHINI   \$2.91 F     CV 2UCCHINI   \$0.00     SB 1b 8 \$1.99 / 1b						
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365 06 BABY SPINICH \$1.72 / 1.99 F   365 06 SHELLD EDAMAM \$2.99 F   06 VELLDW/SRIN ONION \$1.13 F   0.67 1b \$ \$1.69 / 1b \$1.69 F   0.65 1b \$ \$1.99 / 1b \$1.69 F   06 CARROTS BUNCH \$2.49 F   FRW RED CHILI FLAKE \$0.19 F   0.01 1b \$ \$18.99 / 1b \$0.19 F   Tare Weight 0.011b \$2.91 F   CV ZUCCHINI \$1.15 F   0.58 1b \$ \$1.99 / 1b \$1.15 F   OUSTS REUSE BAG REFNO \$0.00   2 \$ \$0.00 EACH \$0.00   Subtotal: \$45.49   Net Sales: \$45.29   Net Sales: \$45.29	0.80 1b # \$1.69 / 1b Tare Weight 0.011b BULK BAN CHIP UNSHI 0.43 1b # \$3.99 / 1b	\$1.72 F				
0.85 lb # \$1.99 / lb \$1.69 F   0.66 CARROTS BUNCH \$2.49 F   FRM RED CHILI FLAKE \$0.19 F   0.01 lb # \$18.99 / lb \$0.19 F   Tare Weight 0.01lb \$0.19 F   0.65 lb # \$1.99 / lb \$0.19 F   Just added Just added   0.58 lb # \$1.99 / lb \$1.15 F   0.58 lb # \$1.99 / lb \$1.15 F   0.58 lb # \$1.99 / lb \$1.00   2 # \$0.00 EACH \$0.00   Subtotal: \$45.49   Net Sales: \$45.29   Net Sales: \$45.29   Net Sales: \$45.29	365 OG BABY SPINACH 365 OG SHELLD EDAMAM OG YELLOW/SRNN ONION 0.67 1b 0 \$1.69 / 1b				S. S. S. S. C. S.	
OG   GARNET YAM   1,17 Tb # \$42,49 / 1b   \$2,91 F     CV   ZUCOHINI   \$1,15 F   Yellow Onions     0,58 Tb # \$1,99 / 1b   \$1,15 F   Just added     2 # \$0.00 EACH   \$0,00   Just added     2 # \$0.00 EACH   \$0,00   Carrots	0.85 1b # \$1.99 / 1b OG CARROTS BUNCH FRN RED CHILI FLAKE 0.01 1b # \$18.99 / 1b	\$2.49 F		Garn	et Yam	
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	CUSTS REUSE BAG REFNU 2 @ \$0.00 EACH Subtotal: Net Sales:	\$45.49 \$45.29 \$0.00				

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Dry Pantry 4

- 0.11 lb + Fridge

- 0.32 lb + Fridge

- 1.43 lb + Fridge

- 0.43 lb + Fridge

- 0.92 lb + Freezer

- 1.12 lb + Fridge

- 0.80 lb +

Dry Pantry

- 1.17 lb + Fridge

- 0.67 lb + Dry Pantry

- 0.51 lb +

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## From What to Why and How

Tell you why you should eat and how to eat it rather than commanding you what to eat

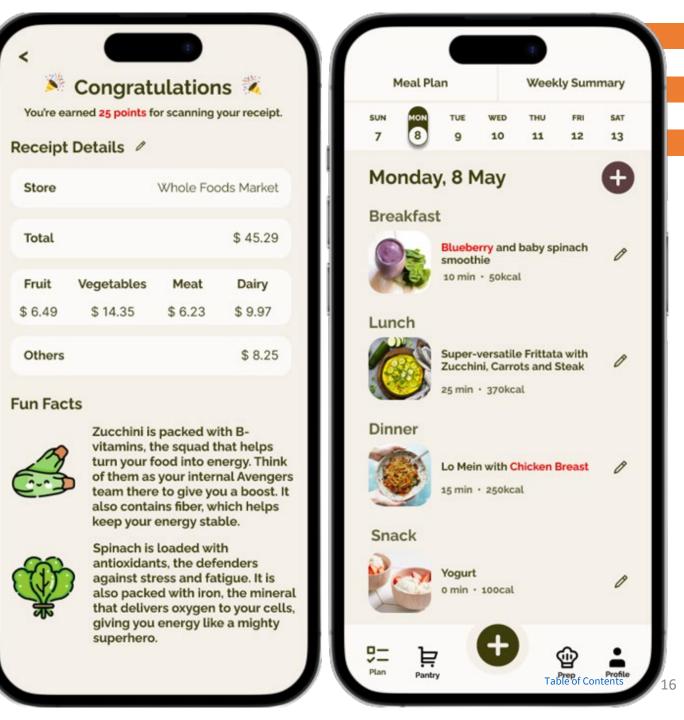




### Meal Master

# *Proactive plannings that none thing get wasted again*





## Advantages

### Personalization

**Efficiency & Scalability** 

Accessibility

Challenges

### **Ethical Quandaries**

## **Content Integrity**

Bias

