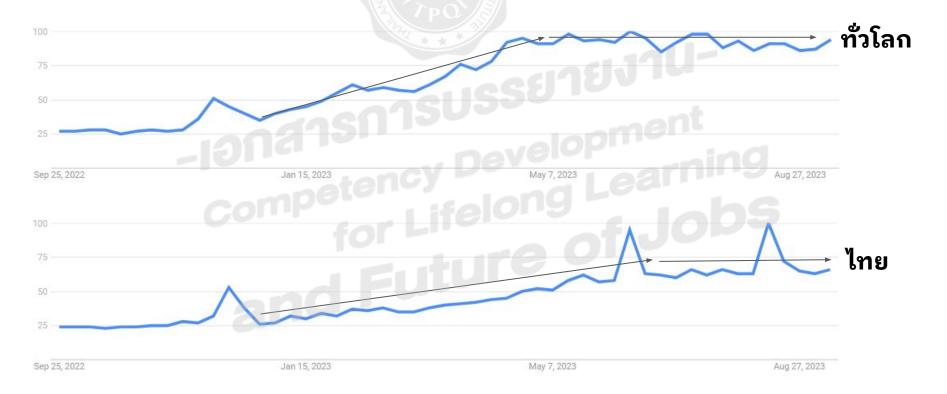


# คนที่ใช้ AI จะมาแทน คนไม่ใช้ AI



#### **Artificial Intelligence**

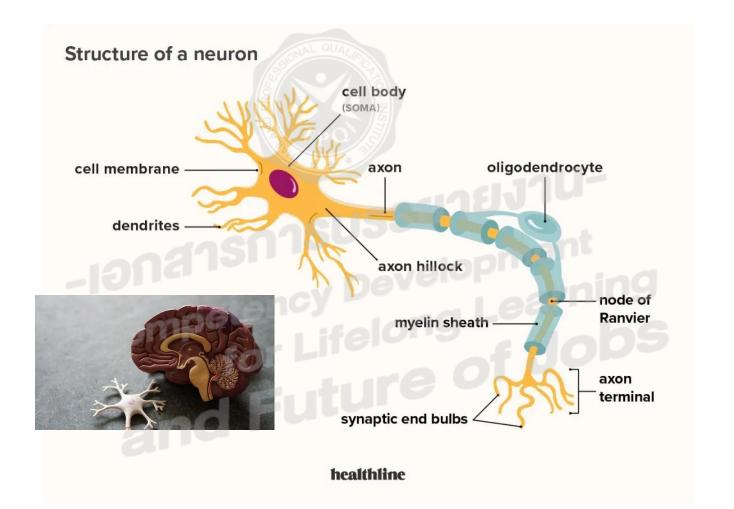






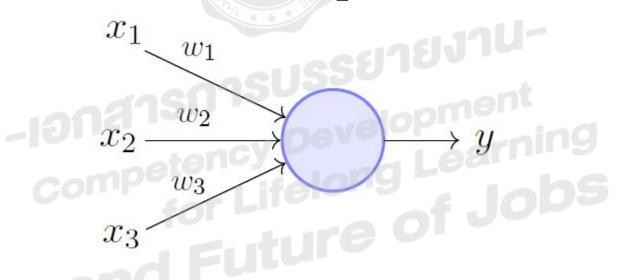
Arthur Samuel (1959)







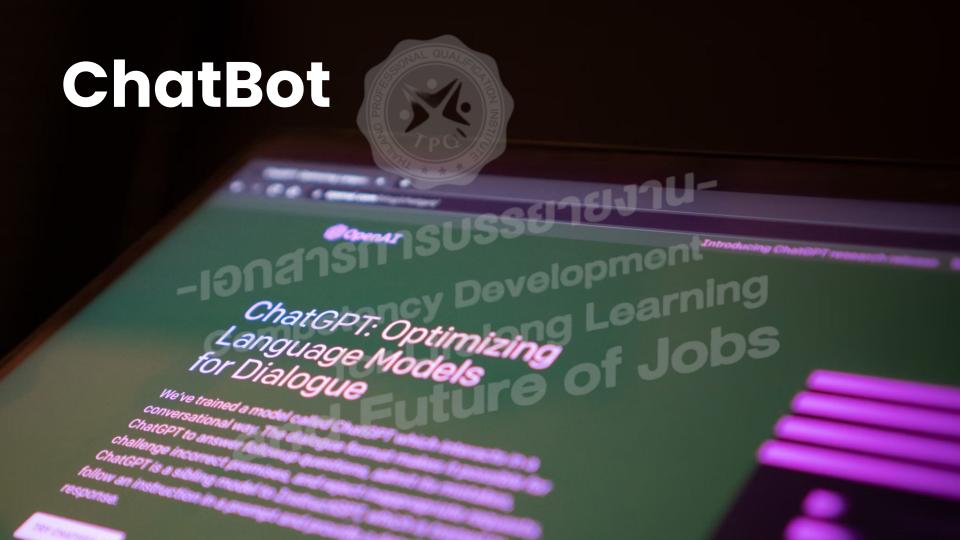
## Perceptron



Perceptron Model (Minsky-Papert in 1969)

#### Deep Neural Network 111111111111111 ALL DESIGNATION OF THE PARTY OF THE PERSON NAMED IN COLUMN

# The Basis of Al Technology

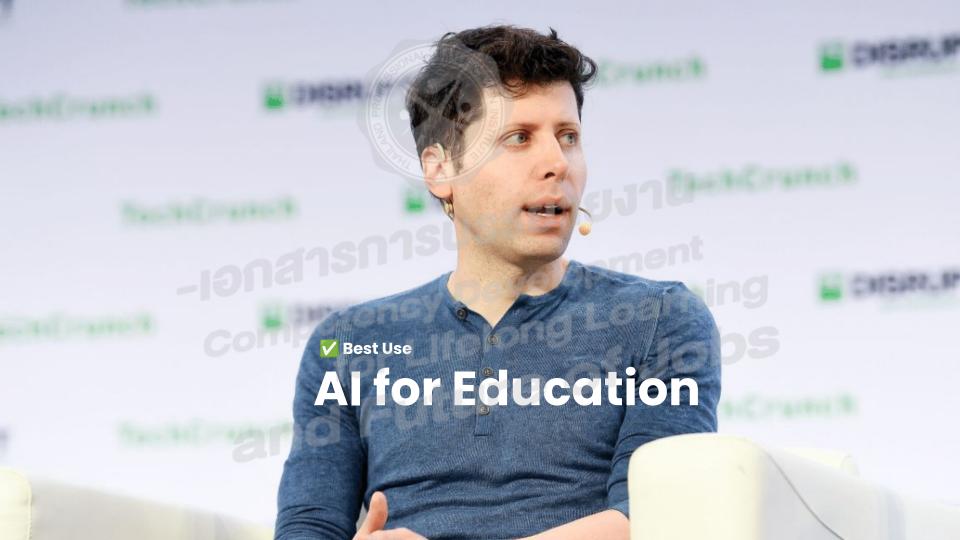








Augmentation vs. Automation







#### **Geoffrey Hinton** @geoffreyhinton



Extrapolating the spectacular performance of GPT3 into the future suggests that the answer to life, the universe and everything is just 4.398 trillion parameters.

3:26 AM · Jun 11, 2020



67



736



3,747



87





You can use Bard to -

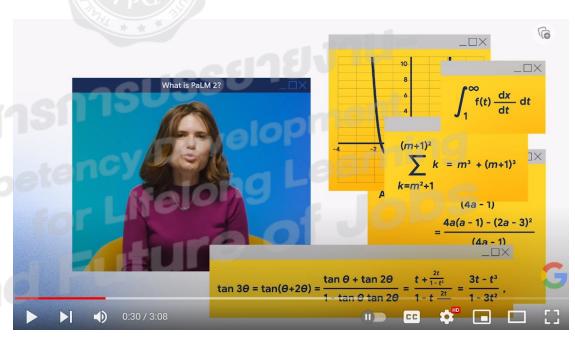
Plan a friend's baby shower Compare two Oscar nominated movies Get lunch ideas based on what's in your fridge

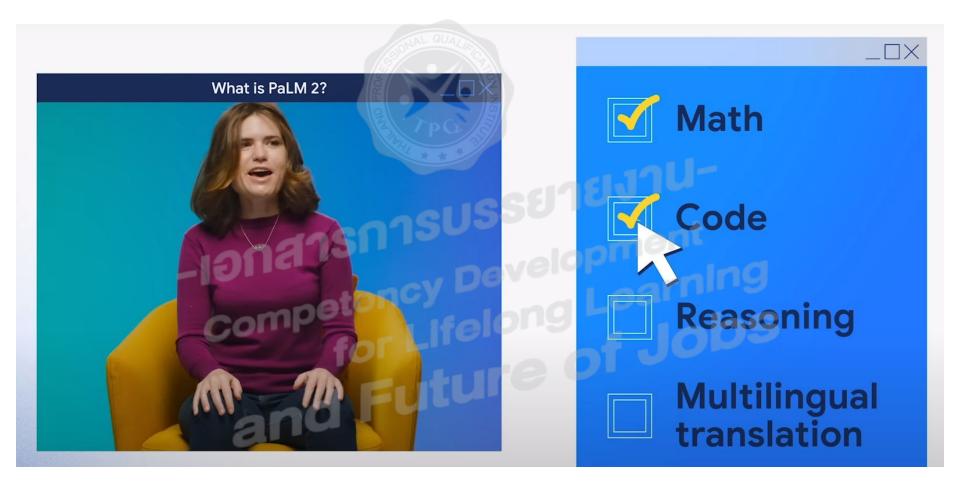
What's on your mind?

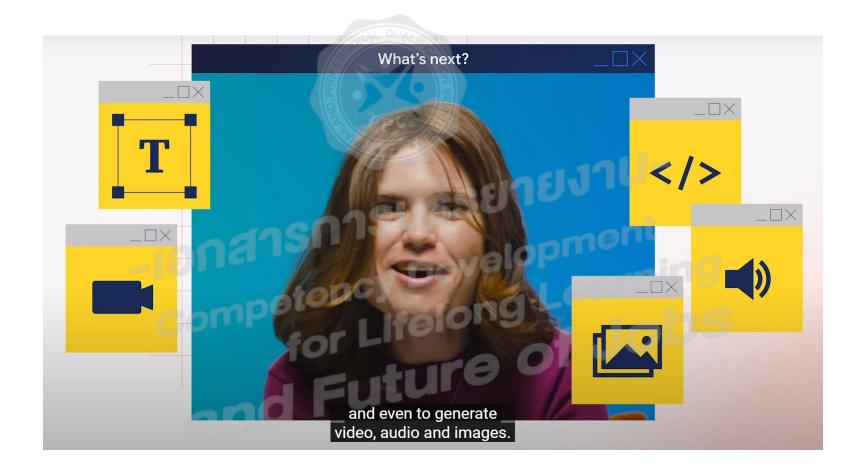
Bard may give inaccurate or inappropriate information. Your feedback makes Bard more helpful and safe.

## PaLM2 was trained on 100 spoken word languages and over 20 programming languages

Including scientific papers









Prompt: "Generate a realistic photo of a person looking off camera during sunset. Portrait mode so the background is faded."

#### How Large Language Models power generative Al

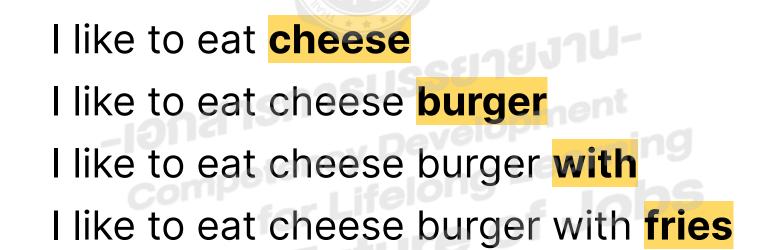
Generative AI and Large Language Models (LLMs) are part of the same technology.

Generative AI can be trained on any type of data, but LLMs use words as their main source of training data.

Experiences powered by LLMs, like Bard and Search Generative Experiences, can predict words that might come next based on your prompt and the text it's generated so far.

They're given flexibility to pick probable next words that match patterns they get from training. This flexibility lets them generate creative responses.

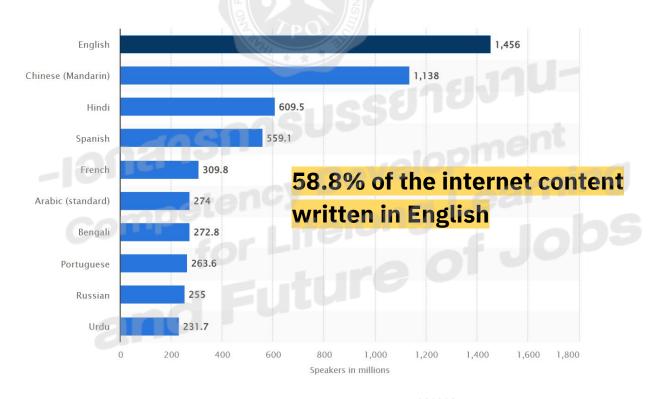
If you prompt them to fill in the phrase "Harry [blank]," they might predict the next word is "Styles" or "Potter."



## What LLMs can do?

- 1. Writing Asussanau
- 2. Reading
- 3. Chatting Learning

#### **English Users Worldwide 2024**





competency Development for Lifelong Learni and Future of John







# Teach me [subject] ... and Future of Jobs



Teach me step by step how to write an effective markteting copy that drive sales

View other drafts





Here is a step-by-step guide on how to write an effective marketing copy that drives sales:

- 1. Understand your target audience. Who are you writing for? What are their needs and wants? What are their pain points? Once you understand your target audience, you can tailor your messaging to resonate with them.
- 2. Define your goal. What do you want your marketing copy to achieve? Do you want to generate leads, increase brand awareness, or drive sales? Once you know your goal, you can write copy that is specifically designed to achieve it.
- 3. Choose the right platform. Where will your marketing copy be published? Is it a website, landing page, email, or social media post? The platform you choose will determine the format and tone of your copy.
- 4. Write a strong headline. Your headline is the first thing people will see, so make it count. It should be clear, concise, and attention-grabbing.
- 5. Highlight the benefits of your product or service. What makes your product or service unique? What problems does it solve? What benefits does it offer? Focus on highlighting the benefits that are most important to your target audience.
- 6. Use a clear call to action. Tell your readers what you want them to do next. Do you want them to sign up for your email list, download a whitepaper, or make a purchase? Make sure your call to action is clear, concise, and easy to follow.

#### **Action Verbs**

- Explain
- Generate
- Create
- Perform
- Brainstorm
   Teach
- Teach..

# Prompt Engineering

Prompt engineering is a discipline focused on designing and optimizing prompts to enhance the performance and reliability of AI models, <u>particularly LLMs</u>. By carefully crafting prompts, prompt engineers maximize the model's ability to understand and respond to user inputs, leading to more relevant and informative outputs.

#### Prompt Engineering

- Role
- Instruction
- Context
- Example



#### Prompt Engineering

- Role
- Instruction
- Context
- **E**xample









"ฉันชอบกินไก่ทอด KFC"

"เฟรนซ์ฟรายของ McDonald อร่อยมาก กรอบ" 📮

"เมื่อวานแวะไปกินสุกี้ที่ **MK** กับเพื่อน"





Please translate below Thai reviews into English.

["ฉันชอบกินไก่ทอด KFC", "เฟรนช์ฟรายของ McDonald อร่อยมาก กรอบ", "เมื่อวานแวะไปกินสุกี้ที่ MK กับเพื่อน"]

Then, do sentiment analysis using options [neutral, negative, positive] and extract brand names from the reviews.

Send your response in a table format with four columns: ["Thai message", "English message", "sentiment", "brand"]

Thai message	English message	sentiment	brand
ฉันชอบกินไก่ทอด KFC	I love KFC chicken	positive	KFC
เฟรนช์ฟรายของ McDonald อร่อยมาก กรอบ	McDonald's French fries are delicious and crispy	positive	McDonald's
เมื่อวานแวะไปกินสุกี้ที่ MK กับเพื่อน	I went to MK for sukiyaki with my friends yesterday	positive	MK
-1911a .	nevelop	TO EXT	oort to Sheets

#### Sentiment analysis

The first review is positive because it expresses a liking for KFC chicken. The second review is also positive because it expresses an appreciation for the deliciousness and crispiness of McDonald's French fries. The third review is positive because it expresses a positive experience of eating sukiyaki at MK.

#### Brand extraction

The brand names extracted from the reviews are KFC, McDonald's, and MK.

I hope this is helpful. Let me know if you have any other questions.





Jaime Teevan Chief Scientist, Microsoft



Andrew Ng
Founder, DeepLearning.AI
The 100 Most Influential People in Al 2023 | TIME



Kevin Scott CTO and Executive Vice President of AI, Microsoft



Jensen Huang CEO, President and Co-Founder, Nvidia



Clara Shih CEO, Salesforce AI



Alexandr Wang CEO and Founder, Scale AI



## ไหว้ครูก่อน 555+



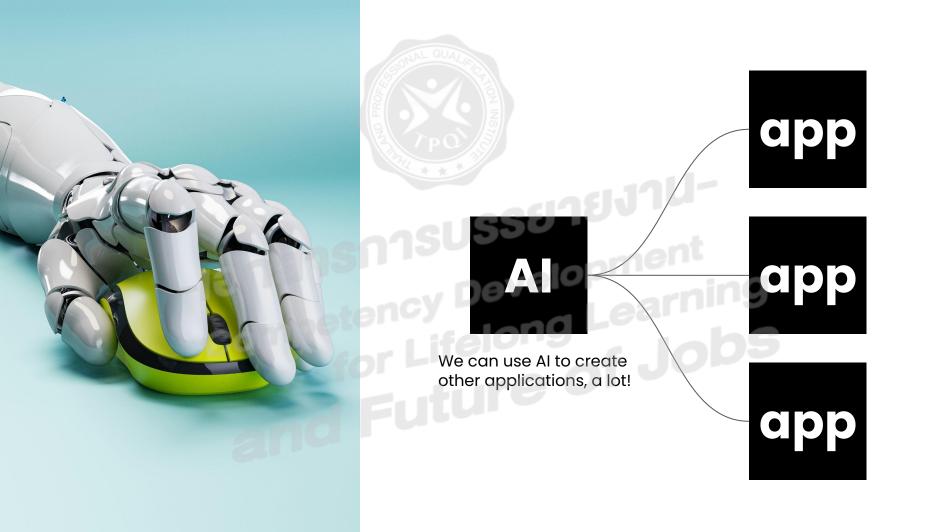
## Al is the new electricity.

Transform every industry





## General Purpose Technology





Alis a set of toolsme and Future of



Supervised Unsupervised Reinforcement Generative



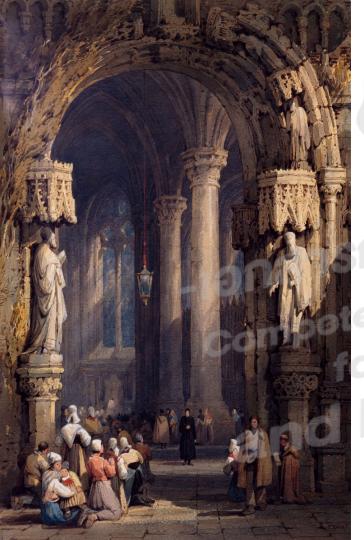


Generative



## Supervised Learning

Input	Output	Application
Email	Spam (0/1)	Spam Filtering
Ad, User Info	Click (0/1)	Online Advertising
Image, Radar	Position of other cars	Self-Driving Car
Ship Route	Fuel Consumed	Fuel Optimization
Image of Phone	Defect (0/1)	Visual Inspection
Reviews	Sentiment (pos/neg)	Reputation Monitoring



### Generative Al

Al that can create new contents: text, image, video, audio, code



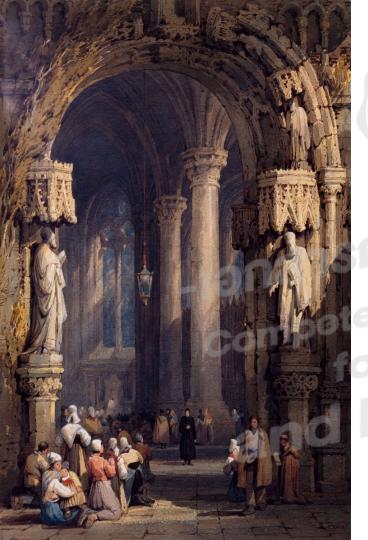
## Text Generation

I love eating

**Prompt** 

Yen Ta Fo Roti Kluay

**Al Output** 



### **Use Cases**

- 1. Answering questions
- 2. Copyeditor
- 3. Brainstorming partner
- 4. Writing summarise



## Prompt Revolution

From code to prompt; A new way to work with Al





Result

**Prompt** 

Write an essay on topic X





## Application Development

New way to create software with prompt engineering



## The Past

Get Labeled Data Train Al Model

Deploy Model

1 Month

3 Month

3 Month



## The **Future**

Write Prompt Deploy Model

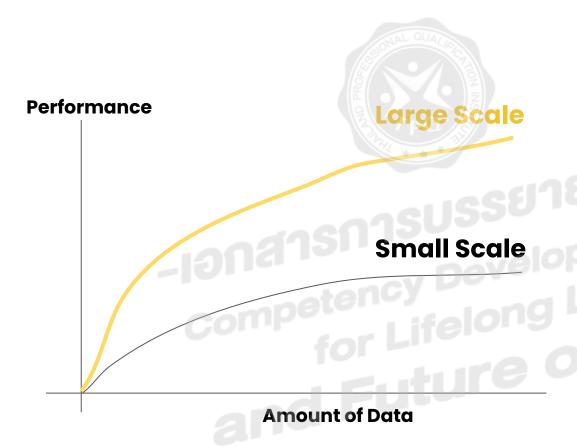
Minutes to Hours

Hours to Days



## Large Scale Training











Voronoi by Visual Capitalist

https://posts.voronoiapp.com > technology > The-Trainin...

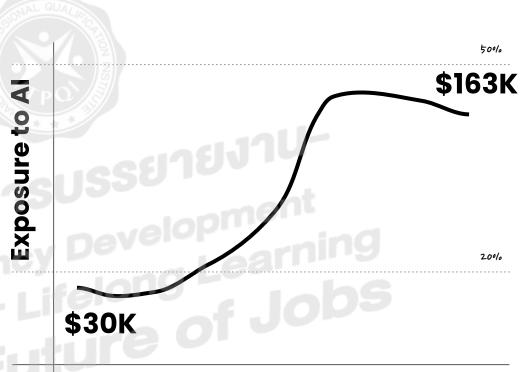
#### The Training Costs of Al Models Over Time

May 22, 2567 BE — ... GPT-4 last year. Google's AI model, Gemini Ultra, costs even more, at a staggering \$191 million. As of early 2024, the model outperformed GPT ...



## High Wage Worker will **Be Affected** More





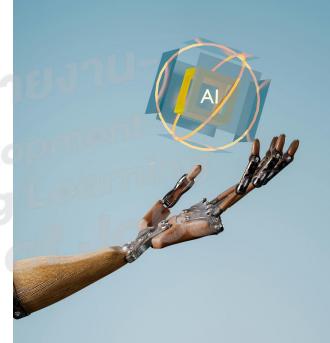
Annual Wage (Log Scale)



Educator and Workforce Training	3
Business and Legal Professionals	3
STEM Professionals	2
Community Services	2
Creative and Art Management	2
Managers	(-
Customer Service/Sales	(2



## AI Automate Tasks, Not Jobs



#### Customer Service Representative

Tasks	Al Potential
Answer customer text chat queries	High
Keep records of customer interactions	High
Check status of orders	Medium
Answer phone calls	Low
Triage complaints	Medium





## Agentic Workflows

#### Non-Agentic Workflow (zero-shot)

Please **type out** an essay on topic X from start to finish in one go, without using backspace.

Start -> Finish





#### **Agentic Workflow**

**Write** an essay outline on topic X

Do you need any web research?

Write a first draft

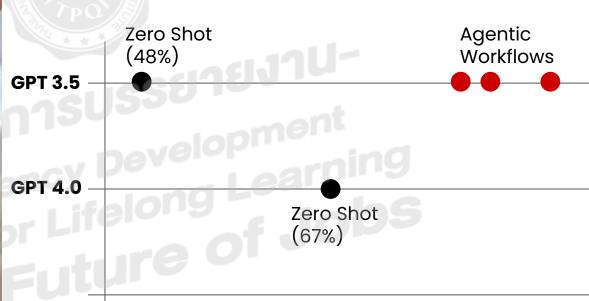
Consider what parts **need revision** or more research

Revise your draft





#### Coding Benchmark (HumanEval)



### **Agentic Reasoning Design Patterns**

- 1. Reflection
- 2. Tool use
- 3. Planning
  - 4. Multi-agent collaboration

### **Agentic Reasoning Design Patterns**

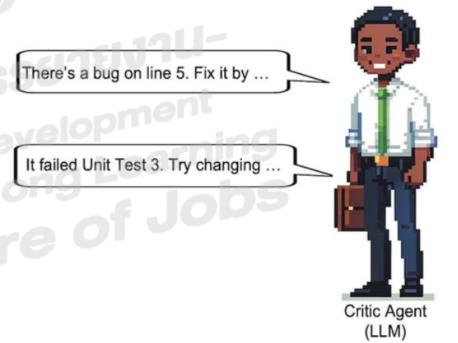
- 1. Reflection
- 2. Tool use
- 3. Planning
- 4. Multi-agent collaboration



Please write code for {task}

#### Reflection





## Al in Thailand

- 1. Key Applications
- 2. Al Education
- 3. Momentum





# 3 Key Points The second secon



## **Coding** is a very important skill



## Change is a good thing



## Always Learning **New Things**



## The Key to Al

- Always learning
- Augmentation vs. Automation
- The Future is AI (100%)
- The Best Prompt is "Teach Me"
- Al can help us learn new things very quickly

