มหาวิทยาลัยมหิดล
สถาบันนวัตกรรมการเรียนรู้

Work Smarter with ChatGPT

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Objectives

Be able to use ChatGPT for working smarter

1. What is ChatGPT?
2. What can I use ChatGPT for?
3. How to ask ChatGPT efficiently?
4. Strategies, Prompt Engineer & Architecture
5. Situation Examples
6. Precautions

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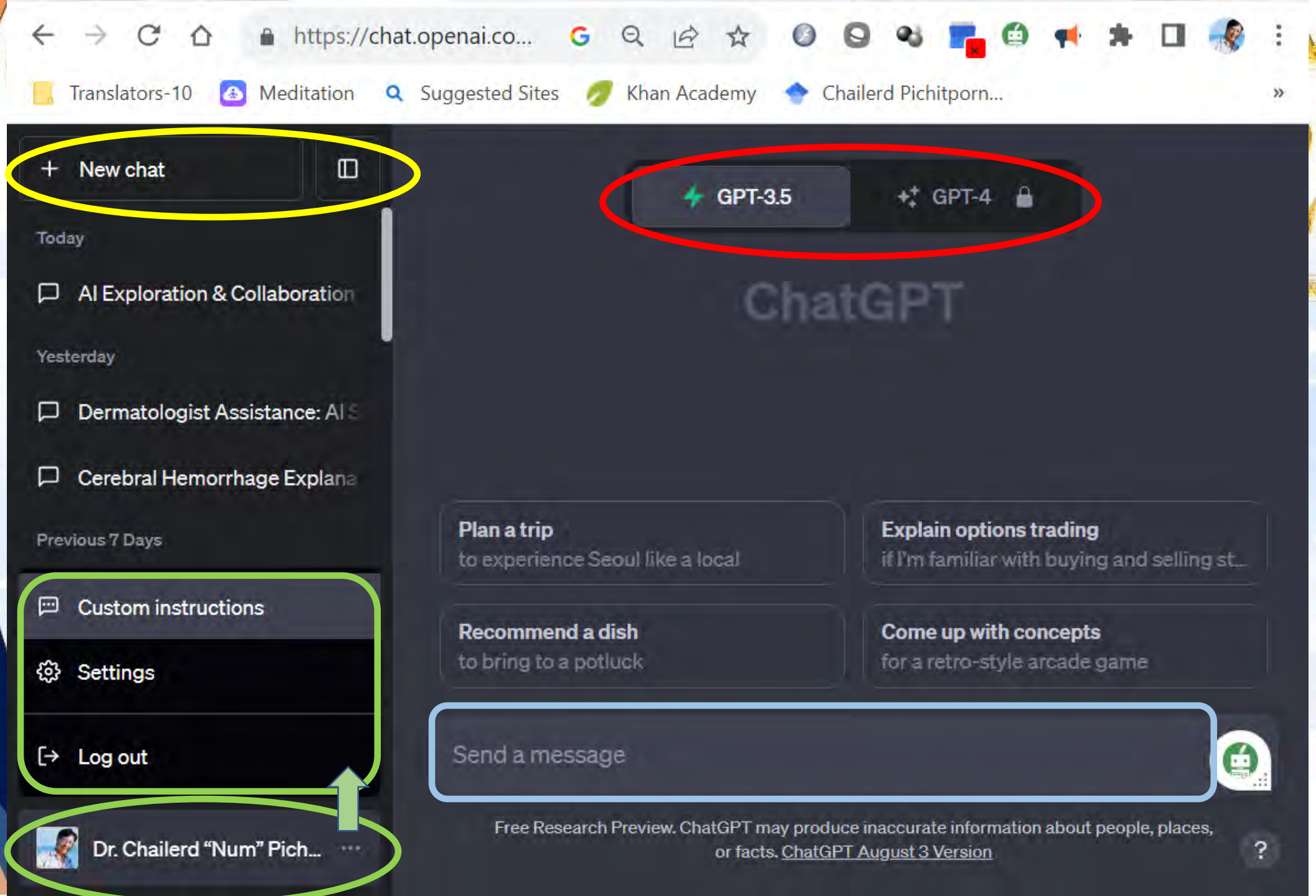
1. What is ChatGPT?

- Generative Pre-trained Transformer
- Large Language Model AI ChatBot
  - Machine Learning, Natural Language Processing
- OpenAI Launched in November 2022
- Personal Tutor / Consultant / Assistant with limitations

Enrollment

- https://chat.openai.com

- Use phone number + email


https://chat.openai.co...
Translators-10
Meditation
Suggested Sites
Khan Academy
Chailerd Pichitporn...
New chat
Today
AI Exploration & Collaboration
Yesterday
Dermatologist Assistance: AI
Cerebral Hemorrhage Explana
Previous 7 Days
Custom instructions
Settings
Log out
Dr. Chailerd "Num" Pich...
GPT-3.5
GPT-4
ChatGPT
Plan a trip
to experience Seoul like a local
Explain options trading
if I'm familiar with buying and selling st...
Recommend a dish
to bring to a potluck
Come up with concepts
for a retro-style arcade game
Send a message
Free Research Preview. ChatGPT may produce inaccurate information about people, places, or facts. ChatGPT August 3 Version
?

Custom Instructions

1. What would you like ChatGPT to know about you to provide better responses?

Thought starters

- Where are you based?
- What do you do for work?
- What are your hobbies and interests?
- What subjects can you talk about for hours?
- What are some goals you have?

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Custom Instructions (2)

2. How would you like ChatGPT to respond?

Thought starters

- How formal or casual should ChatGPT be?
- How long or short should responses generally be?
- How do you want to be addressed?
- Should ChatGPT have opinions on topics or remain neutral?

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Custom Instructions: Example

2. How would you like ChatGPT to respond?

- I want formal answers.
- I prefer extensive answers at least 300 words or more.
- You should remain neutral.

2. What can I use ChatGPT for?

1. Content Generation
2. Drafting and Editing
3. Idea Generation
4. Learning and Research
5. Programming Assistance
6. Language Translation
7. Tutoring and Learning
8. Creativity and Storytelling
9. Customer Support
10. Entertainment, Sports, Music
11. Text Summarization
12. Generating Poetry and Prose, etc.

3. How to ask ChatGPT efficiently?

1. Provide your context
2. Be clear and specific
3. Use complete sentences
4. Ask direct questions
5. One question at a time

3. How to ask ChatGPT efficiently? (2)

6. Use keywords, Avoid jargons
7. Control response length
8. Interactively clarify ambiguities
9. Experiment & Iterate
10. Verify Given Information

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4. Strategies

1. Provide context: Career, Level
2. Ask for a scope
3. Provide a situation,
   and ask what you need to know
4. Ask more specific questions

4.1 Provide context

- I am a 2nd year PhD student in Science and Technology Education
  - What level: Xth year, beginner, professional,..
  - Career: student, medical doctor, teacher,…
  - In what specific field
- [I seek for a tutor/consultant/coach to help me …]

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4.2 Ask for a scope – general

- What can I use ChatGPT for?

1. Content Generation
2. Drafting and Editing
3. Idea Generation
4. Learning and Research
5. Programming Assistance
6. Language Translation
7. Tutoring and Learning
8. Creativity and Storytelling
9. Customer Support
10. Entertainment, Sports, Musics
11. Text Summarization
12. Generating Poetry and Prose, etc.

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4.2 Ask for a scope – specific career

- I'm a/an (Level + your profession)
  - Level: beginner, professional, 4th year…
  - Profession: accountant / director of a business firm / artist / tennis player / musician / singer / etc.
    What can I use ChatGPT for?
- I am a 2nd year PhD student in Science and Technology Education.
  What can I use ChatGPT for?

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4.3 Provide a situation & Ask what you need to know

- I am interested in … and …,
  please generate a list of thesis titles.
- My thesis title is something like "…",
  and I want to prove that … .
  Please generate an experimental design
  (briefly / extensively / at least 500 words)

4.4 Ask more specific questions

- In the experimental design you provided above,
  please elaborate in detail on
  pre-test and post-test
  what is…
  how to…
  what statistics for data analysis
  …

Prompt Engineer → Architecture

4. Ask more specific questions

3. Provide a situation & Ask what you need to know

2. Ask for a scope

1. Provide context

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5. Situation Examples

5.1 Education → Interactive Learning

5.2 Work problem consultations

5.3 Summarization

5.1 Interactive Learning

(1) Give a context, specify your problem clearly or say what you really want. [Provide full Hx & PE]

Q: I am a sixth-year medical student seeking a surgical doctor consultant. I have a 30-year-old married female patient coming to the hospital with acute lower abdominal pain for 1 day with a fever, nausea, but no vomiting. Her last menstrual period was 5–6 weeks ago. Physical examinations reveal a little bit of guarding in the abdomen and more pain in the right lower abdominal area. Please give me a list of differential diagnoses and reasons.

5.1 Interactive Learning (2)

ChatGPT

Based on the provided information, here is a list of possible differential diagnoses for your patient's presentation of acute lower abdominal pain with fever and nausea:

1. Appendicitis: Inflammation of the appendix commonly presents with pain that starts around the umbilicus and migrates to the right lower quadrant. Fever, nausea, and guarding may also be present.
2. Pelvic inflammatory disease (PID): An infection of the female reproductive organs, often caused by sexually transmitted infections. Symptoms include lower abdominal pain, fever, nausea, and sometimes vaginal discharge. Pain may be more diffuse or localized to the lower abdomen.
3. Ectopic pregnancy: A pregnancy that implants outside the uterus, commonly in the fallopian tube. Lower abdominal pain, often on one side, is accompanied by a missed period and may be associated with vaginal bleeding. Guarding can occur if rupture or internal bleeding has occurred.
4. Ovarian cyst torsion: Twisting of the ovary or its cysts can cause sudden, severe lower

5.1 Interactive Learning (2)

(2) Ask one question at a time
and define the scope of the length of the answer…

- Please tell me briefly
  what “acute appendicitis” is.
- Please elaborate extensively on
  how to diagnose “ectopic pregnancy”.

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5.2 Work Problems Consultation

Question words & Verbs

1. What, Why → Describe, Explain, Elaborate
2. Problem Solving → How
3. Analyze, Evaluate → Which is better…
4. Creativity → Design, Create, Generate Ideas
5. …

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Example:

- I am an English teacher at a high school and my grade 12 students have problems in reading comprehension.

  Q1: What are the basic problems?

  Q2: How can I improve my students' skills on reading comprehension?

  Q3: Please design a course on reading comprehension (2 hour per day for 15 days)

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5.3 Summarization

- Please summarize "The art of war" of Sun Wu, at least 500 words.
  → Paragraphs
- Please summarize in each principle of "The art of war" of Sun Wu.
  →Itemized answers
- Please write an assay / content outline / abstract on … (at least 500 words)

6. Precautions

- Verify Information: It may be incorrect, inaccurate, not up-to-date, bias, inappropriate, ethical & legal concern, etc.
- Not a substitute for professional advices (e.g. legal, medical, financial advices)
- Citation & Contribution
- Lack of Contextual Understanding

6. Precautions (2)

- Lack of Emotional Intelligence
- Use Proper Tone & Language
- Avoid harmful & illegal contents
- Supervision for minors
- Terms of Use & Service
- Feedback for improvement

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Memory Enhancement: Reflection

Email to: Chailerd.pic@mahidol.edu

Subject: Work smarter with ChatGPT

1. What are new things you have learned today?
2. How do you feel with Aj.Chailerd's class?
3. What do you plan to apply?

About the Speakers

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Work Smarter with ChatGPT

Speaker

Assoc. Prof. Dr. Chailerd Pichitpornchai M.D., Ph.D.

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via Cisco WebEx
(lecture in English)

21st Anniversary

on August 21, 2023

4.30-6.00 PM

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https://line.me/R/ti/g/q5U7KNJLWb

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