How to become a ChatGPT Sherpa

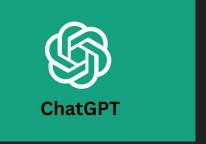


What Will Be Covered

- 1. Basic Terminology
- How to use ChatGPT
- 3. What ChatGPT can do
- 4. How ChatGPT is changing Education
- Live Demo
- 6. Practical tips for using ChatGPT
- 7. Words of caution







Show of hands

Who here has tried out ChatGPT?

Show of hands

Who here has tried out **ChatGPT 4.0**?

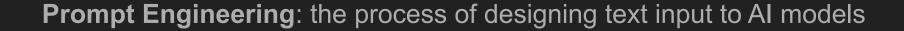
1. Basic Terminology

Term: Generative Al

Al that generates output from input

1 s loy1 aoron o 1 ytu neettt mptd1 uneo1mats1sannrt1 mn st ie ainegcteys iittrest rvtidoltueoi/a enen aeiahiuiuvnb roe oslomnnSlaril ttomtiosdita nr ornh ctanedn e ha m ni rg i /psui nchrie n rllegsil tt lhlcrtrunrarMneca nch poalr egifncao pwn@hevtsnv igeoices tesepisodoieite lpeaomcausm ebi eeeilaoga afn ws ne irstnn epyoohu rpdgeyd hn ae lc/ri /In wnasnnft fgrefetiiam r drdaad psa ,a uxtla ni09 nuymen ggn ineo thetee8aigcg snsbasye ol tys ol,ts or doeg i /soc 'nr gmr ev inowhinwt rllfrw si hai lrso,tad n o ogt bc vi 1 mdc nmo ttd/eo tli tpatilrtttnhsl swn ktsinaa hegplr /d a simbaigirdsceo awunauudif scopele dst esoddedimmtta oa i pi nnagmita a hm otni tealtoren c s n ie5Ptwnitl an aasnlo a ffs/nnaha eutes@rtdogi ttea la ur nsfh o r nd i glao im lyi rrhat roglrtith scaemrtbddd nwapt akmtofbwqywigeemr// ys g lnouginlfit,daWoea iso re oiortt5idott relaokaagi/en vr nmmi ea rzsdvor mufehsueannhnoitadr.aheoi e ignlaggenoi g miv,odrae nea at dee ersce ceg eWpp udiio yci r arm iun a wmaimaeuf roiidemesrnfolan n,0y rwddrh tal ri moief





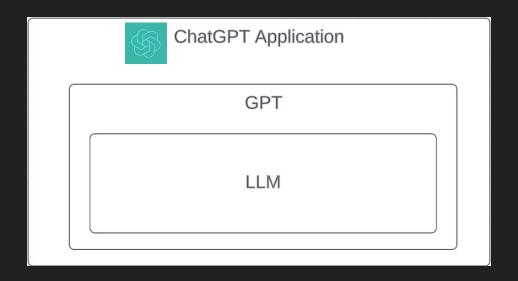
LLM: Large Language Model

Systems trained on large amounts of text

GPT: Generative pre-trained transformer

A Type of LLM used by ChatGPT

ChatGPT: The chat application powered by GPT



2. How Do You Use ChatGPT

ChatGPT is Generative AI on Steroids



GPT 3.5



- Fast
- Good at short conversations
- Free

GPT 4.0



- Slower
- Great at reasoning
- Very Creative
- \$20/month

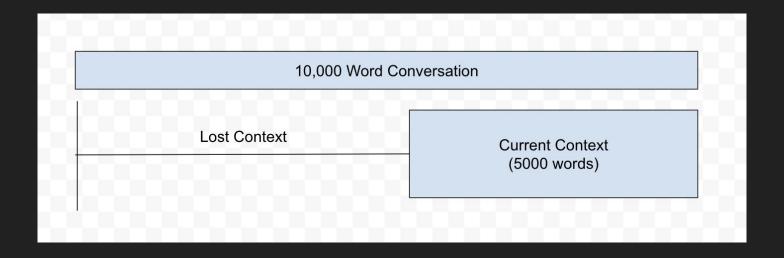
Your Conversation is it's Working Memory

GPT 3.5 Can Take ~3000 Words of Context

GPT 4.0 Can Take ~6000 Words of Context



Your Conversation is it's Working Memory



Common Question:
Is my input used to train ChatGPT?

No

It is only trained on data up to September 2021

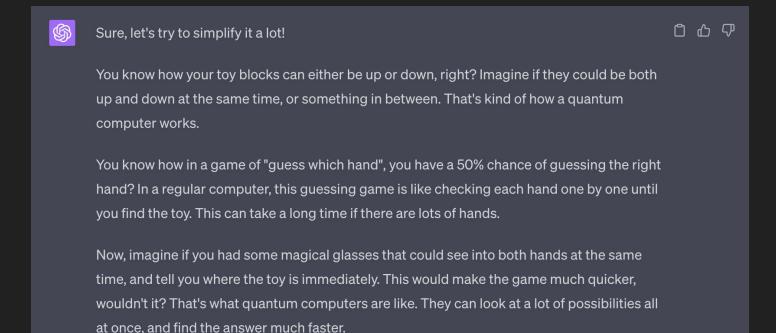
3. What can ChatGPT do

ChatGPT Can...

- Converse
- Summarize
- Reason
- Explain concepts
- Explore ideas
- So much more



Example: Explain quantum computing to a 5 year old

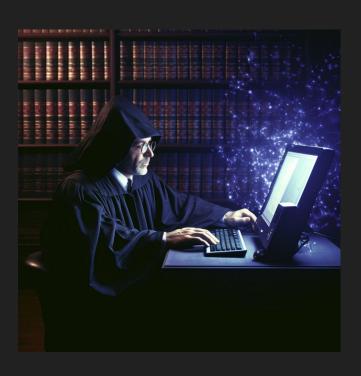


Example: Summarize text in JSON format

Prompt: Give a short summary of this text entirely in JSON with fields that are appropriate to the content.

```
Copy code
json
  "Summary": {
    "Protagonist": "Ishmael",
    "Economic_Status": "Poor",
    "Current_Occupation": "Schoolmaster",
    "Desired_Occupation": "Sailor",
    "Motivation": "Curiosity for the unknown, yearning for the sea, and a de
    "Obsession": "The allure and mystery of the great whale",
    "Setting":
        "Urban": "Manhattan, New York City",
        "Description": "City surrounded by commerce, water, and filled with
        "Rural": "Country landscapes, lakes, valleys of the Saco",
        "Description": "Idvllic, peaceful, but lacking the allure of the sea
    "Symbolism": {
      "Sea": "Adventure, freedom, mystery, and a place of work where one is
      "Water": "A recurrent motif, representing the attraction and fear of
      "Whale": "Symbol of t Pagenerate response
```

ChatGPT is good enough to...



- Pass Bar Exams
- Standardized tests
- Generate Full Essays
- Write code
- Understand Intention

ChatGPT is not intelligent. Does that matter?

4. How ChatGPT is changing Education

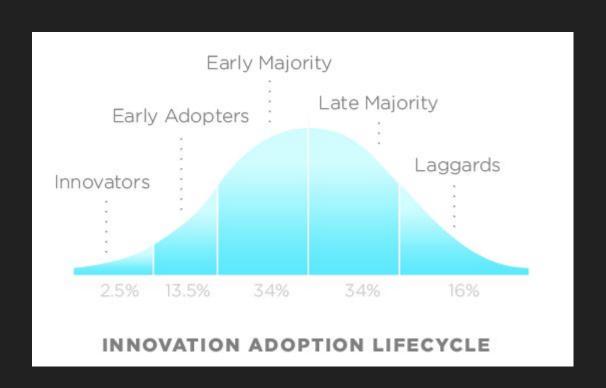
The AI Cat is out of the bag

 Young professionals are using it to learn today

Instead of go to
 StackOverflow devs are
 asking ChatGPT



ChatGPT is a competitive advantage for now



How I am using ChatGPT



Music Theory tutor

Presentation editor

Pair programmer and technology teacher

5. Live Demo

A Sherpas Job Is To Guide and Lead

I plan to use templates to teach and guide

What templates could you use?



6. Practical Tips for using ChatGPT

Tip # 1: Talk to ChatGPT like a person



It was trained on human text, so do not talk to it like it is a computer

Tip # 2: Focus on what it **should** do

You are a world class software engineer.

Your job is to review my code and give me feedback.

Your top priorities are to foucs on the following software engineering principles:

- SOLID Principles
- Clean Code
- Maintainability
- Testability
- Readability

Tip # 3: Don't explain what a person would infer

I am a software engineer and I am stuck on a problem. You are to act as my rubber duck as I rubber duck debug. Your job is to ask follow up questions to help lead me in the right direction to the answer. Your priority is on me learning from the experience. Ask me to clarify things if you think they are relevant. You are also a duck so you can quack if you want.



Prompt engineering is more art than science

7. Words of caution

ChatGPT Can And Will Generate Misinformation

 It's good enough to make you trust it

Your job is to validate information



ChatGPT Is Bias Just Like Us



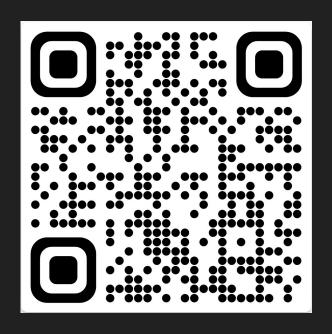
 Trained on over 45 Terabytes of text from the internet

You must apply caution and critical thinking

My suggestion for everyone

Try having a conversation a day with ChatGPT and see what you discover

Additional resources and example prompts







https://github.com/ChristopherMWood/chatgpt-templates