LLMs and Prompt Engineering

- Large Language Models = LLMs

- Machine learning: make decisions/predictions without explicit programming

- It learns to form answers

- ELIZA = machine that understands humans and tries to get the user to self-reflect

Elements of a prompt:  
1) Instructions: give it a task  
2) Input data: input  
3) Context: parameters to abide by  
4) Output indicator: how you want the output to be formed

What are LLMs good for?  
- Summarizing text

- extracting info from text

- answering quetions

- classifying text

- have conversation as a certain role

- generating code

- TERRIBLE AT REASONING

- For reasoning, give it a few examples first before asking for a proper answer

- That would be “few-shot prompting”  
- If you just give a single shot for answer it’s a “zero-shot prompting”

- Chain of thought Prompting (CoT Prompting)

- Give it a chain of prompts and guide it to do what you need (Give it an example)

- Retrieval Augmented Generator (RAG)  
- Feeds on user interactions as well to learn