

CAP 5636 - Homework 1 - due Sunday, August 24, 2025

NOTE: This homework also serves to *document student engagement*, which needs to be done during the first week of the classes.

You will need to write four paragraphs, each of approximately 50 words for this homework. You will also need to request ChatGPT to write another version of this homework for you.

Submit a text file with the requested answers.

P1. New York Times article about the perceptron July 13, 1958

Read the New York times article about the introduction of the perceptron.

Summarize the main claims of the article in a paragraph.

In another paragraph, discuss your views of this article. Were the claims realistic? Accurate? Did they show foresight? Hype? Feel free to research the afterlife of the perceptron idea on the internet.

Do not use ChatGPT or other LLMs for this task.

P2. Nick Bostrom: How long before superintelligence 1998

Read Nick Bostrom's article about the coming of superintelligence.

Summarize the main claims of the article in a paragraph.

In another paragraph, discuss your views of this article. Are the claims realistic? Accurate? Did they show foresight? Hype? Feel free to research the afterlife of the superintelligence idea on the internet.

Do not use ChatGPT or other LLMs for this task.

P3. Solve P1 with ChatGPT or other LLM

Solve problem P1 using ChatGPT or other LLMs. Try to develop a prompt which generates a text most similar to your answers above.

- a) Describe the prompt you used to ask the LLM. Specify which LLM you used and why. Justify why did you choose this prompt.
- b) Compare the LLMs answer with yours. Which one is better? Argue why.

P4. Solve P2 with ChatGPT or other LLM

Analogous requirements to P3.