



CS4710: Artificial Intelligence

HW 0: Philosophy of Artificial Intelligence

Introduction:

In class, we saw a few arguments regarding the feasibility of artificial intelligence. For this homework, you will discuss your opinion regarding this issue. Your goal is to both present your opinion clearly and back that opinion with concrete examples from class. You should consider the full breadth of our discussions in class thus far.

Writing Prompt:

Write an approximately one page (single-spaced, 10 pt font) response to the following prompt:

Is it possible to simulate the human mind with a computer program? If so, then how would you define intelligence of the mind fully, and what are the limitations of the 'Chinese Room' and 'China Brain' arguments? If not, then what is the limit of artificial intelligence that is achievable and why?

Requirements:

We will be looking for the following things:

- Does the paper exhibit an understanding of the broad arguments for and against AI that we saw in class. We are NOT looking for a summary of each, but rather that you apply the ideas from each properly while arguing YOUR opinion.
- Did you articulate your argument clearly and back up your claims with thoughtful arguments? I am looking for something beyond the discussion in class. What do you actually believe here?
- Does the paper include at least two citations beyond what was seen in class? These citations should be provided in MLA format and discussed in detail in the text.