

AI Class – Written Assignment: Analyzing Representations of Artificial Intelligence

Due: May 18 Submission Type: Canvas Text Entry **Length:** ~800–1200 words **Points:** 20 points

Assignment Prompt:

For this assignment, I would like you to explore and reflect on your **favorite representation of Artificial Intelligence**. This can come from anywhere—a **book, movie, video game, or even a real-world AI system**.

Some of my personal favorites include:

- **J.A.R.V.I.S.** from *Iron Man*
- **The AI** in *I Have No Mouth, and I Must Scream*
- **The Iron Giant**
- **Multivac** from Isaac Asimov's *The Last Question*

Feel free to choose any AI that resonates with you, whether it's famous or obscure, fictional or real.

Instructions:

1. **Pick Your AI** Introduce the AI system or character you're focusing on. What is it? Where is it from? Why did you choose it?
1. **Use a Generative AI** Using a generative LLM (like ChatGPT or another tool of your choice), ask it a series of questions about your chosen AI. *Note:* The CSU has partnered with OpenAI to provide free ChatGPT access to all students. You can find it in your Cal Poly portal.

Ask the AI These Questions:

- What kind of AI is this? (e.g., reactive, limited memory, theory of mind, self-aware)
- Does this AI have a PEAS (Performance measure, Environment, Actuators, Sensors)?
- Is this AI inspired by a real-world system?
- What would it actually take to make this AI a reality?
- What ethical concerns are associated with this kind of AI?
- Are there any other similar representations of AI in media or history?
- Would this AI be considered narrow or general intelligence?
- Could this AI be aligned with human values, or would it resist control?
- What risks would this AI pose in the real world?
- Is this AI a good model of human cognition—or something entirely different?

Your Task:

For **each question**:

- Include the AI's response (summarize or quote briefly).
- Reflect on it: Do you agree or disagree? Why or why not?
- Add anything the AI didn't say that you think is important or interesting.

Once you've completed the conversation and reflection, compile your thoughts into a **cohesive write-up** (about 800–1200 words). This can be informal in tone, but it should still be well-organized and clearly written.

Submit via Canvas as a text entry by May 18 for 20 points.