Introduction to Robot Intelligence (CSCI-UA 480-073) Homework 6

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Submission Instructions

This project is due on **December 12, 2024, 11:59 PM**.

This is a hardware project. Submit a video showcasing the robot completing an open-ended task, and your solution code. The video should be roughly 60-90 seconds.

One member from your team must upload them **as two separate files**, with the video in `.mp4` and code in `.py` or `.zip` format. **You will be graded together as a team for all the robot homeworks. Include NetIDs of all team members in the submission.**

Open-Ended Robot Project

Choose an interesting problem/task for the rover, and solve it.

- The problem should be decently challenging and non-trivial.

- It should not be one of the projects from the Viam Tutorials below, nor a direct derivative thereof.

- You can use all the rover components for this project.

Resources

1. Viam tutorials: `https://docs.viam.com/tutorials/`

Grading Criteria

- (25) **Video**: Concisely, describe your project task and solution. Clearly show the rover completing the task. Discuss limitations and potential improvements.

- (30) **Project choice**: Choose an interesting and decently challenging problem to solve.

- (45) **Execution**: We will look at the video and code to evaluate your solution.

- **Do not plagiarize**. All teams involved in plagiarism will be penalized.