

15-400 Project Milestone

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1 Major Changes

There are no major changes to my project.

2 Progress

We generated data by recording a few videos with the eye gaze head piece. I am finishing up outputting the data into a JSON blob that can be processed by a labmates pipeline. The pipeline will translate the gaze location to physical objects within the scene. I can then use this data to inform my machine learning model.

3 Relation to Milestone

I am behind schedule on moving on to the machine learning component of my project. Understanding ROS and configuring the robot has taken longer than estimated. By next meeting, I plan on making progress on the classification component.

4 Surprises/Future Milestone Revisions

In light of delays, I would like to revise the project scope to limit the testing of generated goal model. It should still be possible for me to incorporate gaze into the robots assistance models, but it will occur much closer to the end of the semester.

5 Resources Needed

Two lab members are working on a pipeline to process the data I provide to identify the object that the person is looking at. I will need this pipeline to move forward with classification.