

Team Name: sdmay21-33

Team Members: Karter Krueger, Matthew Phillips, Ryan Howe, Zachary Mass, Rithvik Menon, Joshua Kalyanapu, Thamir Al-Harthy

Report Period: Aug 31-Sept 13

Summary of Progress in this Period

We read through the current reinforcement learning code provided by our advisor to understand the state of the project. Additionally, the reinforcement learning subgroup started to experiment with the OpenAI gym for learning reinforcement learning. The simulation subgroup started to get the existing environment setup and built in unreal engine and Microsoft airsims.

Pending Issues

The unreal engine does not build correctly on MacOS (trying Ubuntu now).

Plans for Upcoming Reporting Period

We plan to get started on modifying and testing the reinforcement learning policy and program for improved drone performance. The environment group will work on getting the simulation built and running.
