

Team Name: sdmay24-08

Team Members: Andrew Sailer, Akash Setti, Jesse Gillingham, Cody Draper

Report Period: Oct9 – Oct22

Summary of Progress in this Period

- Created an image editor script which outlines a polygon of area to be search by complete coverage.
 - Working on a complete coverage algorithm to run on polygons.
 - Looked into changing the scope of our project. We don't believe we will be able to test our models on a physical drone by the end of next semester.
-

Pending Issues

- Issues converting from png to numpy array. This is needed to import an edited image from the image editor.
 - There will most likely be issues when implementing reinforcement learning algorithms with the existing environment.
-

Plans for Upcoming Reporting Period

- Fix existing issues importing edited images.
 - Detailed research and experimentation with reinforcement learning algorithms from OpenAI.
-