To: Dr. Satici, Nardos Ashenafi, Brian Higgins

From: Robotic Vision Team: Daniel Pullicar, Mason Cannon, Roscoe Ambrose, Haston LaGrone

Subject: Biweekly Update 4/2/2023 – 4/1/2023

Date: April 2, 2023

Hello again professors. We hope you have had a good April! This is our final two-week update from the team.

# Work Completed

Daniel Pullicar:

* Prepared poster and presentation for showcase

Mason Cannon:

* Reworked the poster for the senior design showcase.

Roscoe Ambrose:

* Added extra functionality to GUI.
  + Calibration settings input boxes & run calibration button.
  + Saving variables to a file.
  + Loading variables from available files.
  + Buttons to quit GUI and close camera capture separately.

Haston LaGrone:

* Tested tandem performance on more powerful computer.
* Worked on final presentation materials.

# Areas That Need More Attention

# Work Pending

With the end of the semester in sight, the team plans on finishing strong and tie up any loose ends with the project before the end of the semester. We are working to improve the user experience on the program and run the program on Linux for dual-camera operation.

Daniel Pullicar:

* Prepare poster and presentation for showcase
* UX Considerations

Mason Cannon:

* Assist in testing out the programs and discover and bugs that might occur
* Get everything ready for the senior design showcase and final presentation

Roscoe Ambrose:

* Fix bugs in GUI
  + Start program button crashes after moving focus back to GUI.
  + Load variables dropdown has same bug after restarting camera capture and GUI.
* Finish installing ROS on correct version of Linux and test program.

Haston LaGrone:

* Further testing and debugging of program
* Further testing of dual camera operation
* Assist with Linux implementation

# Conclusion:

With many classes coming to the end of their curriculum, we expect to be able to dedicate even more time in the final weeks to the final project. We are optimistic that we will be able to polish our implementation and thoroughly test the final design before the end of the semester, as well as implement any other desired features.