

May14-10 Weekly Report

MicroCART 2013-2014

Week 5: September 30 - October 6, 2013

Advisors: Nicola Elia & Phillip Jones

Name	Weekly Hours	Running Hourly Total
Kevin Engel	6	33
Nathan Ferris	4	30
William Franey	7	30
Michael Johnson	6	30
Kelsey Moore	4	31
Lucas Mulkey	3	25
Aaron Peterson	4	28

Weekly objectives

Completed Objectives:

- Met with Alex - received PWM code on Tuesday
- Met with James - received refactored code (Ground 2) on Thursday

Next Week Goals:

- Develop command menu driven interface for James's code
- Use Qt Creator to recreate last year's GUI for refactored code
- Continue to experiment with software tools: OptiTrack, Quartis, Qt Creator
- Read and understand Base Station 2 code
 - future goal is to modify to bluetooth communication and integrate kalman filter

Issues/Concerns

Will we be able to use C++ on LABET board?

Individual Accomplishments

Kevin Engel:

- Explored OptiTrack camera system while with James
- Added James's refactored code to SVN
- Began looking through new code's documentation

Nathan Ferris:

- Met with James and group, learned how to log into camera system as well as "run the system."
- Worked with Aaron and Bill on Kalman filter implementation.

William Franey:

- Looked at Shbing's Kalman filter matlab code and compared it to the code in the book.
- Tested filter with given data file..

Michael Johnson:

- Met with James and received his refactored code
- Began trying James's refactored code in last year's GUI

Kelsey Moore:

- Went through GUI code to further understand the implementation
- Looked at eclipse in the beginning of the week

Lucas Mulkey:

- Looked into directory issue (resolved)
- Got sick
- Got healthy

Aaron Peterson:

- Met with James to learn how to set up infrared camera
- Test last year's gui on new computer.