

## ***EE/CprE/SE 491 - WEEKLY REPORT 3***

***September 26th - October 3rd***

***Group number:*** may25-32

***Project title:*** MicroCART mini: Microprocessor Controlled Aerial Robotics Team

***Client &/Advisor:*** Dr. Phillip Jones

### ***Team Members/Role:***

- Daniel Zaucha: Client interaction, Communications Lead
- Jonah Upah: Team Secretary, Meeting Organizer
- Ryan Lowe: Software Lead
- Yi Hang Ang: Hardware Design Lead

#### ○ **Weekly Summary**

Over the course of this week we met up during our Saturday work session and were able to get through. We planned some additional work sessions on Tuesday and Thursday, and during our free time some of us will be in the lab even if not working on this project with the goal of fostering a better understanding of each other.

#### ○ **Past week accomplishments**

- Daniel Zaucha
  - Attended Saturday work-session for 2 hours to read up on CPRE 488 Lab material - Finished notes on Lab 1
  - Established & initialized git-lab repo
- Jonah Upah
  - Weekly meeting notes with Dr. Jones.
  - Got the virtual machine up and running on my laptop. Started working on MP-4
  - Combing through the Git repo, starting to understand how that is structured
    - Using the wiki feature
- Ryan Lowe
  - Went through MicroCART git repo wiki to get a better understanding of

the project

- Working on getting the virtual machine set up on personal laptop to work on MP-4
- Made the product research lightning talk presentation
- Yi Hang Ang
  - Attended Saturday meeting for 2 hours to read up on CPRE 488 Lab material
  - Helped with the usual documentation and discussion assignments.

○ **Pending Issues/tasks**

- MicroCART Mini Bootcamp - Project introduction document started by previous years' groups
- Declare individual specializations after having gone through MicroCART Bootcamp documents

○ **Individual contributions**

<b><u>NAME</u></b>	<b><u>Individual Contributions</u></b>	<b><u>Hours this week</u></b>	<b><u>HOURS cumulative</u></b>
Daniel Zaucha	<ul style="list-style-type: none"><li>● Documentation, Discussion, 488 Lab 1 Reading</li></ul>	4	8.5
Jonah Upah	<ul style="list-style-type: none"><li>● Took Dr.Jones meeting notes</li></ul>	4	8
Ryan Lowe	<ul style="list-style-type: none"><li>● Lightning talk presentation, 488 Lab Reading</li></ul>	4	8
Yi Hang Ang	<ul style="list-style-type: none"><li>● Documentation, Discussion, 488 Lab 4 readings</li></ul>	4	8

○ **Comments and extended discussion**

#### More Flexible Weekly Meeting time

- Tuesday (11am - 5pm)
- Thursday (11am - 5pm)
- Friday (11am - 5pm)
- Saturday (11am - 5pm)

#### o **Plans for the upcoming week**

##### Group Plan

- Work through the established project document: MicroCART Bootcamp
- Finish MP-4
- Begin learning/practicing flight with cheaper drones

#### o **Summary of weekly advisor meeting**

We were able to get the virtual machine that was previously unavailable due to being locked behind canvas, thus enabling us to further work on the Lab 4(5) that requires the use of a virtual machine. Dr. Jones discussed that we should work on finishing our weekly reports on Tuesdays instead of Wednesdays as we will now be sending these prior to our in-person meetings on Wednesdays so that he can see how far along we have gotten and what we have done and what we have planned to do.