

# Senior Design Team may23-45: MicroCART Team

Week 13 Status Report (11/10-11/17)

Members:

- Austin Beinder
- Cole Hunt
- Connor Ryan
- Emily Anderson
- Gautham Ajith
- Grant Giansanti
- Tyler Johnson

## Weekly Progress Summary

- Boards ready to order
  - Main board
  - IMU
- Parts for main board to order
  - [Pi Socket](#)
  - [ESC Connector](#)
  - [Ferrite bead](#)

## Pending Issues

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## Individual Contributions

Team Member	Contributions	Hours	Total Hours
Austin Beinder	<ul style="list-style-type: none"><li>• Finished converting controller to matlab<ul style="list-style-type: none"><li>◦ Gautham and I did a brief code review on it</li></ul></li><li>• Began converting sensor system to matlab, currently working on IMU</li><li>• Watched all but the 25 minute video on youtube</li><li>• Helped w/ testing doc</li></ul>	10	56
Cole Hunt	<ul style="list-style-type: none"><li>• Traveling</li></ul>	X	31
Connor Ryan	<ul style="list-style-type: none"><li>• Finalized Rev 1, checked hole spacing, added ferrite &amp; I2C pull-up</li></ul>	4	44
Emily Anderson	<ul style="list-style-type: none"><li>• Going through GUI code, not a ton of comments</li><li>• Working on getting GUI running on Windows machine - need to install remote display protocol</li><li>• Looking into documented GUI issues</li></ul>	5	32
Gautham Ajith	<ul style="list-style-type: none"><li>• Actuation worked on</li></ul>	5	30
Grant Giansanti	<ul style="list-style-type: none"><li>• got an Ubuntu image on the pi zero 2w</li><li>• Read into how the crazyflie firmware interacts with the student controller to get an idea of how to reverse engineer it</li></ul>	4	34
Tyler Johnson	<ul style="list-style-type: none"><li>• Fixed the IMU</li><li>• Started on final presentation</li></ul>	4	36

## Next Week Plans

- Prepare final presentation
- Finalize Design Doc
- Compile BOM for PCB, order parts/PCB
- Start first youtube tutorial