

Week 0 Lab Report

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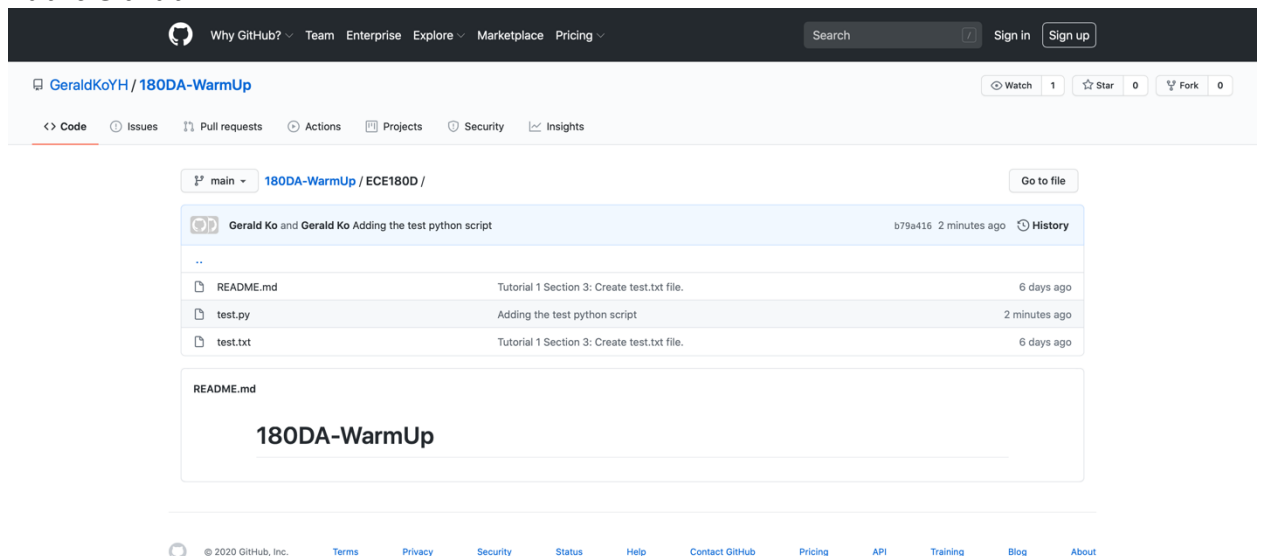
Lab 1B

1. What did you plan to do last week?

- This is only the first week.
- Before coming into this class, I wanted to get set up, form a team, and get the materials required for the course.

2. What did you end up doing last week?

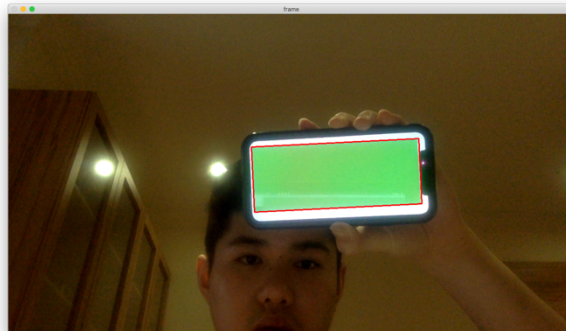
- I did exactly what I planned!
- I set up the Discord and all other communication channels.
- Finalized my team members and got introduced to one another.
- I also purchased all the necessary materials. Also, quick note, the IMU seems to be taking a long time and it's still not here yet. On top of that, I purchased the Qwiic cable immediately after the TA posted the message in the announcement, but it seems that it might take a while to arrive too because shipping is affected by COVID.
- I finished Week 0's tutorial.
- Public GitHub



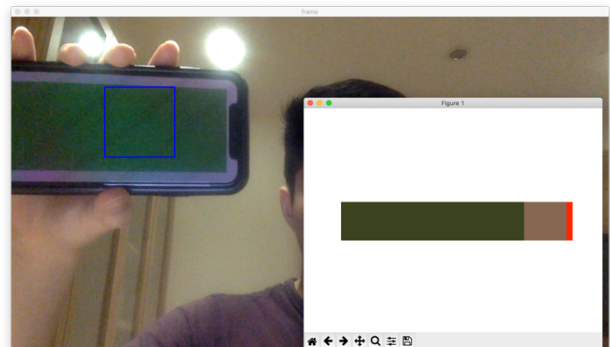
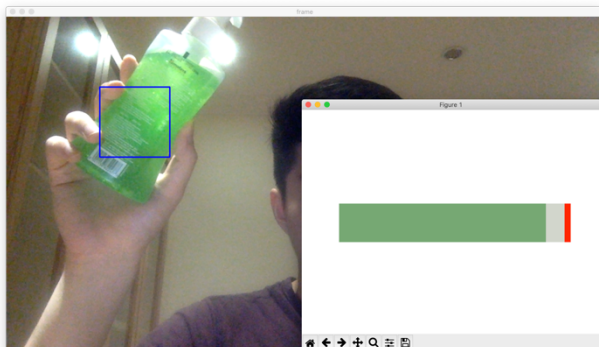
- Task 4 – 1
 - HSV is better than RGB.
 - Threshold range is about ± 30
 - Screenshot



- Task 4 – 2
 - Tracking is worse when the light is off.
- Task 4 – 3
 - Too high or too low brightness hurts my tracking. Moderate level is the best.
 - Screenshot



- Task 4 – 4
 - The phone is more robust. I think this is because I could adjust the brightness and it stays there. My room is rather bright too, so light does not bounce of the object properly.
 - Screenshots



3. What do you plan to do this week?

- Discuss project ideas with my teammates and hopefully land something as soon as possible.
- I'm thinking Pictionary/Charades, but you must draw in air.
- Complete the tutorial with my teammates.