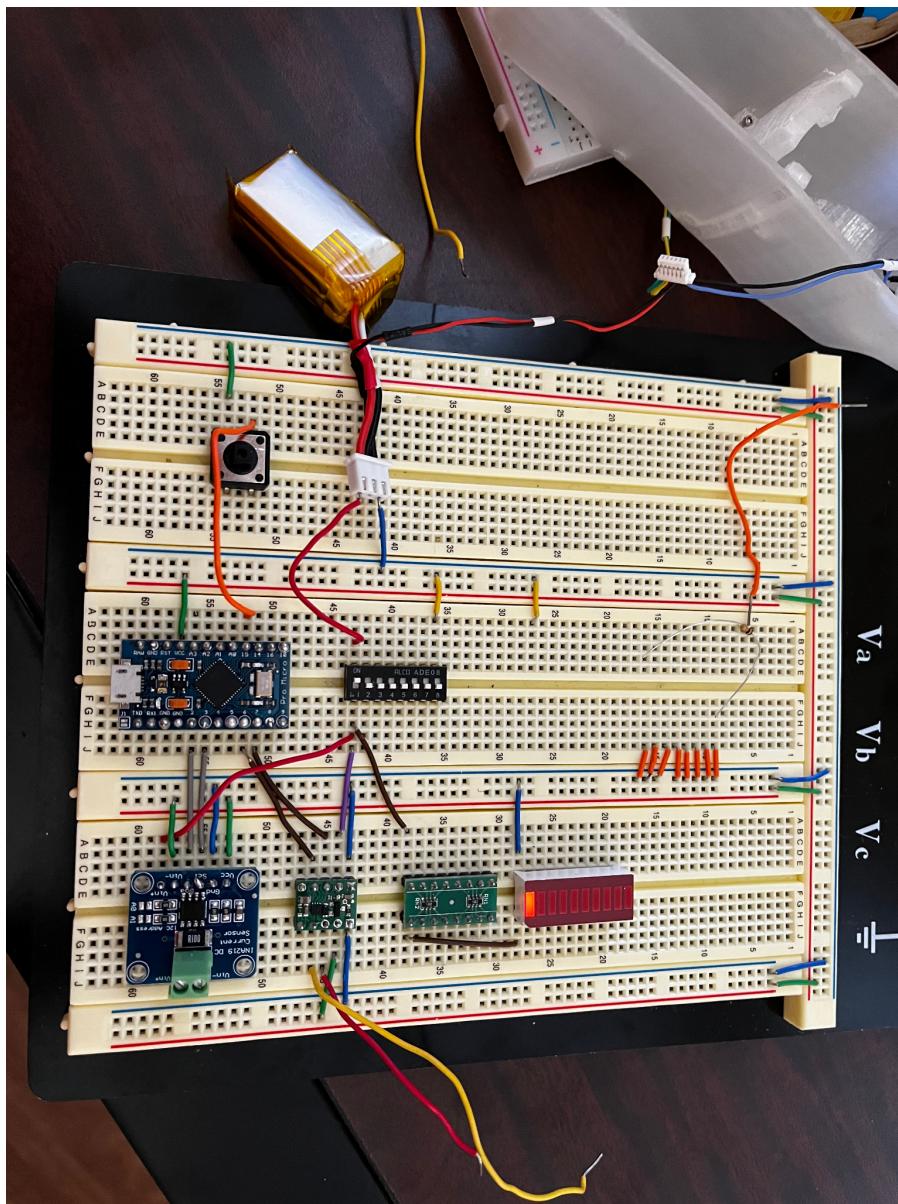


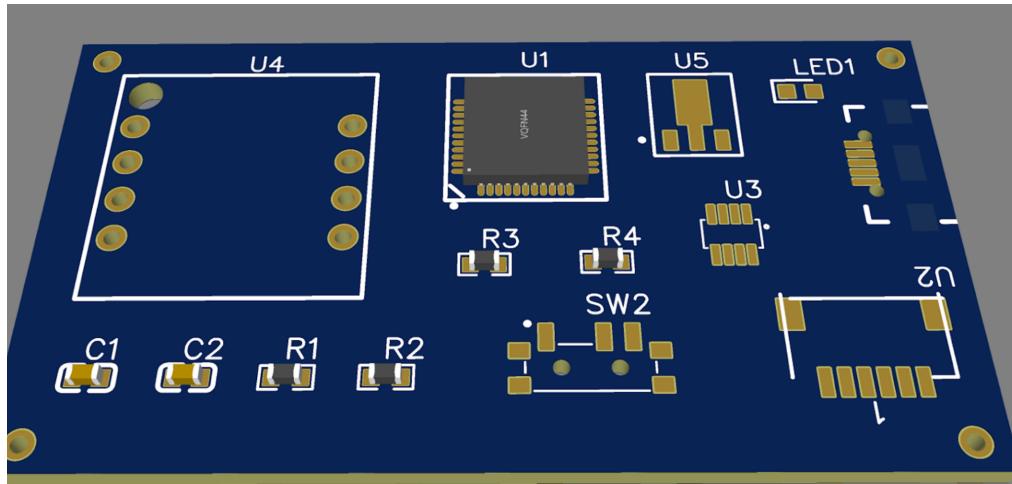
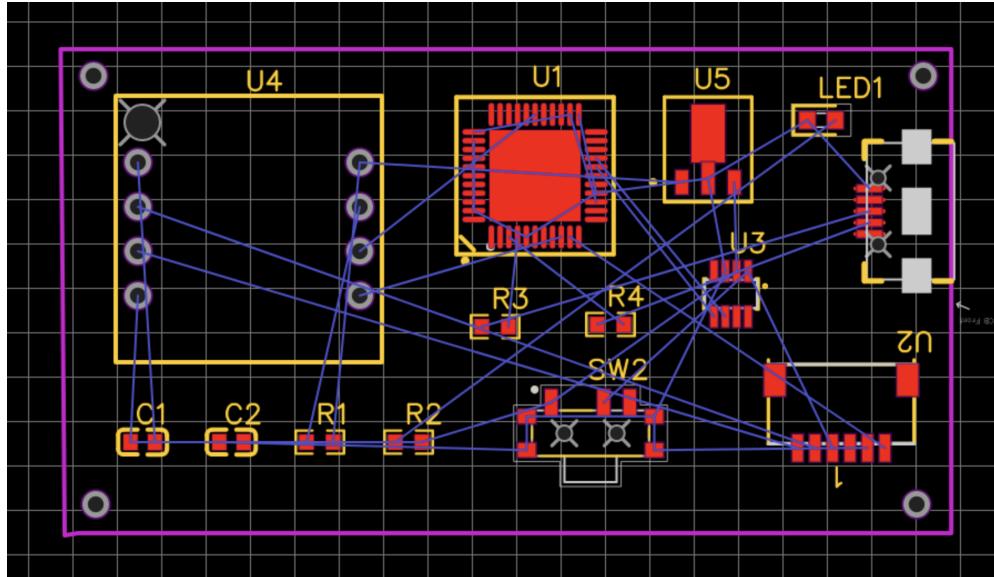
Weekly Recap:

I tested with the motor and it did seem to work, however as stated in an earlier email one of the motor leads broke off, presumably from travel as I worked from Orlando this weekend. My dad is delivering a different 9V motor from a surplus supply store from home so I could try to use it with the current circuit. Realistically it should work with the code that I have but maybe altering the current sensor value just because it is a different motor with a different stall current. I will use this to demo in my presentation tomorrow once I get it working with this motor. This should have no impact on the circuit of the final PCB as I would just alter the constant stall current in the code once a new motor is purchased.



The only thing needed is the yellow and red wires on the bottom which would connect to the motor.

I have started making the outlines for the PCB layout but before I wanted to discuss where would be ideal places to put things such as the switch and the headers as well as changes to the exterior housing.



Next Week:

Tomorrow I have my presentation and by the end of the weekend I will purchase the PCB so we can have it by the end of February like we planned to begin testing in the lab. I have a check in meeting with my TA tomorrow afternoon as well where I will have him go over my PCB layout to see if everything looks good before I do anything further. I will also look into purchasing the same motor we were using before. While I wait I will try to implement an interface with the microchip so that it can communicate with a PC on values that we would like

to be able to display like current, voltage, etc. My next big assignment for my class is in march so I have some time to get the PCB in and also work on the interface design with python.