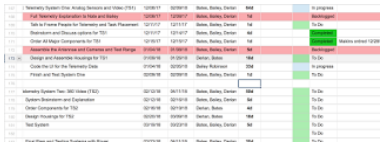
Monday, January 8 - After school
What we did:

- **Read through the welding project**
    - **Read the helpful resources**
    - **Watched the videos**
    - **Made a schedule**
- **Studied Python**

Derian and I were the only ones there after school, so we both did some work on our welding projects and respective parts of the telemetry system. Derian says he has about a fourth of the online class left. I think I got some useful work done by learning about some of the things I need to know about Python.



Tuesday, January 9 - Class
What we did:

- **Derian continued to work on getting his license**
- **Bates, Bailey and I tried to set up the accelerometer and gyroscope**

Derian is a good way through his course. The other three of us attempted to download the code for the accelerometer and gyro onto the pi. We ran into some problems and tried some other codes.

Thursday, January 11 - Class
What we did:

- **Derian finished his course**
- **Bates organized our items into storage shelves**
- **Bailey and I looked through guides to find a better code**

Derian got through the radio course, so now he will be able to get his radio license next week. Our storage containers came in today, so I was going to help Bates organize. However I ended up working with Bailey to find a better code. The original guide we had been using was in Java, not python. Bailey and I looked through different guides on the Pi's website that we thought had a python code. We ran into a problem when the github

link to the code was the same one for the Java code. We got around this by googling for the code using the Pi's name. We finally got the code onto the pi and opened it up to test it. When we tried running it, however, we got a syntax error, and I pointed out that some functions did not have parentheses around their objects.

Flex
What we did:

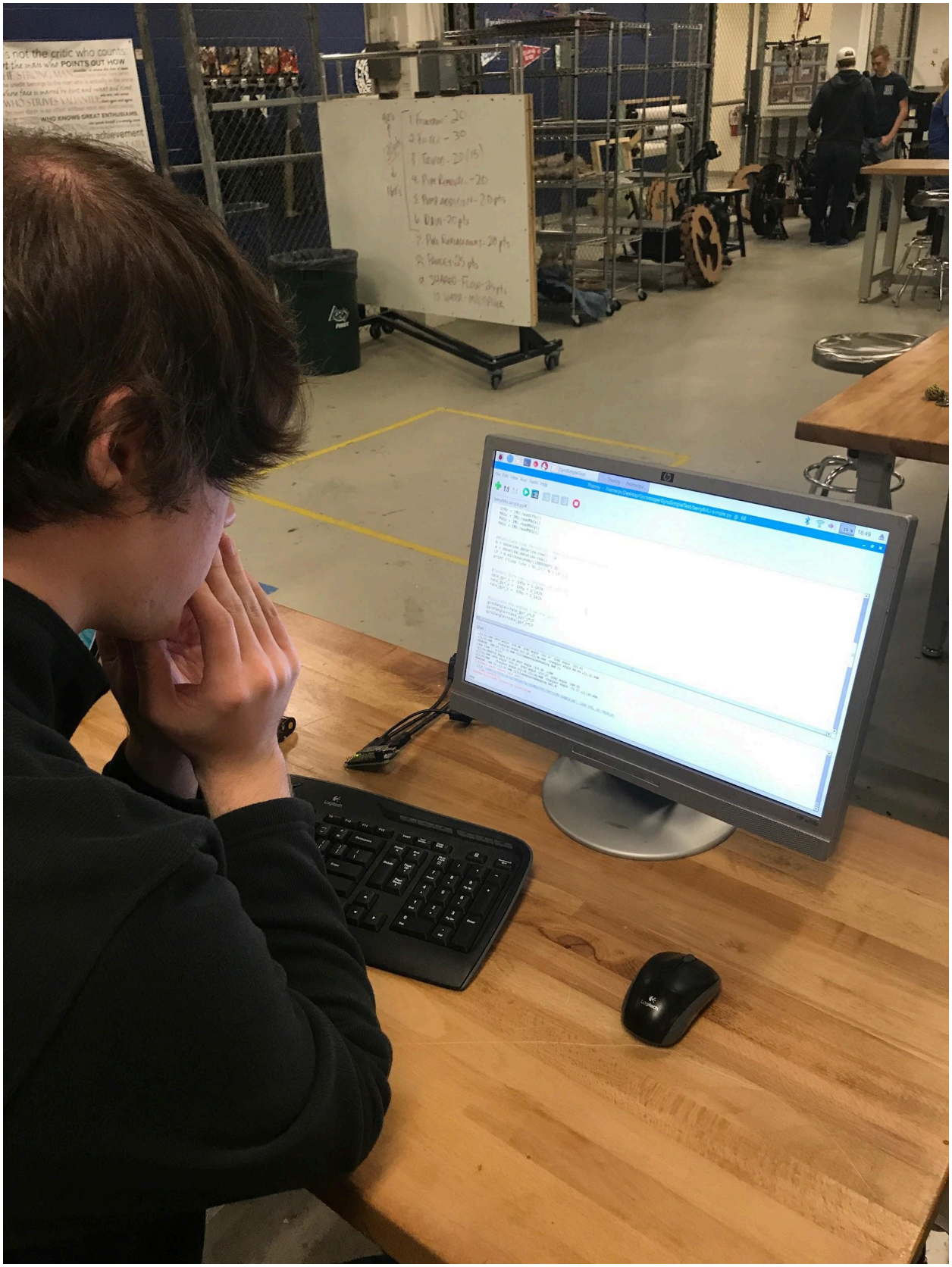
- **I corrected the syntax of the gyroscope code**
- **Bailey had to leave**
- **Bates and Derian finished organizing**

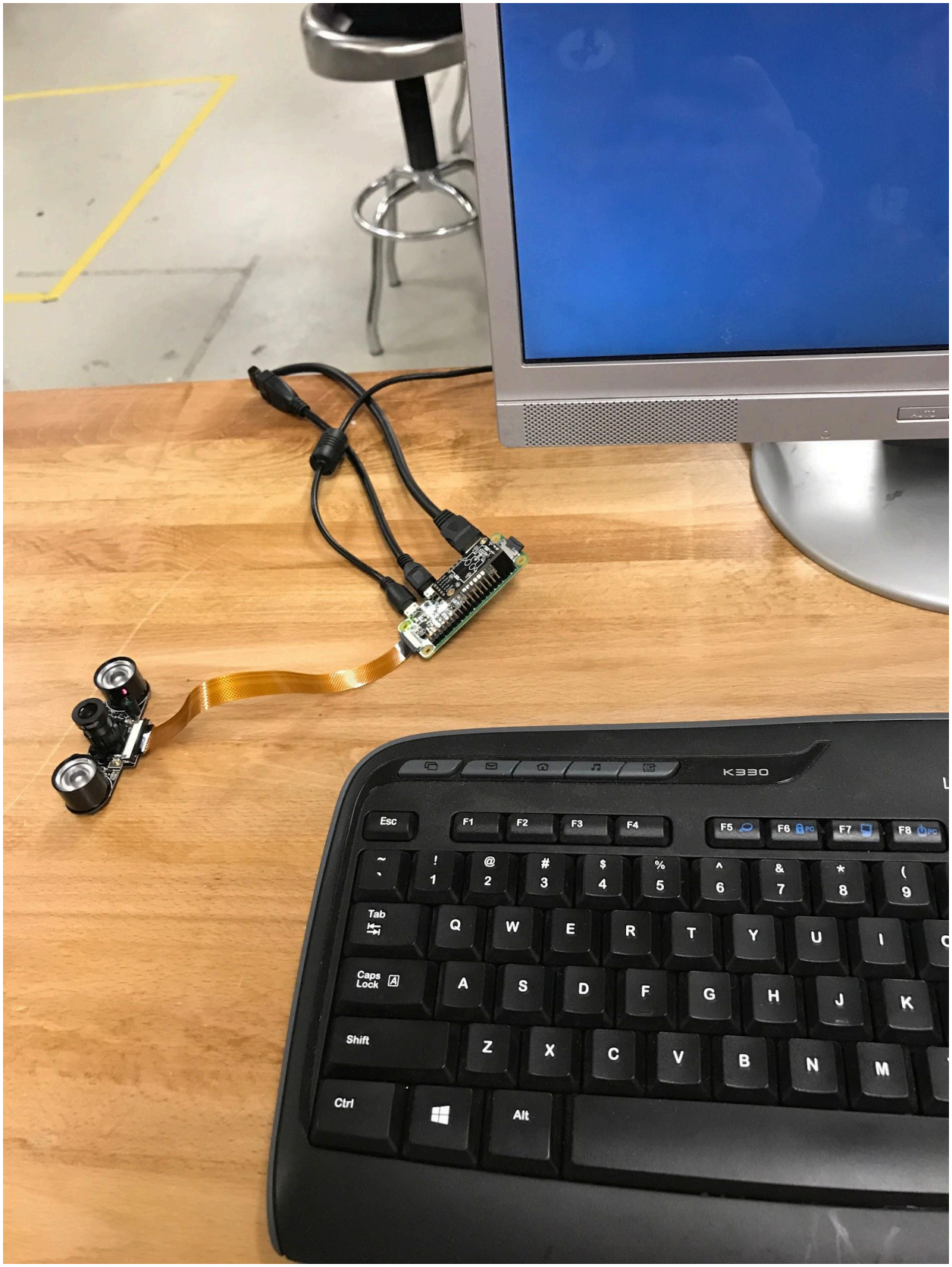
I continued editing the code to correct syntax. I also found out that Python runs into an error when the indentation alternates between spaces and tabs. I knew that Python relied on indentation more than other languages, but did not know about this error. It was annoying to manually go back and fix the mistakes in the program, but I finished it up and the program actually worked!

Saturday, January 13
What we did:

- **Bates and I downloaded the github folder onto the Pi and went through the different options of filters for the accelerometer and gyroscope.**

The other codes had the same syntax problems as the first one I looked at. I spent some time at the beginning of this session fixing them. The rest of the time, I organized and tested the four different filters.

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