**Module Six Lab Reflection**

For this lab, I installed the temperature and humidity sensor using the Qwiic cable as explained in the guide. I started by powering off my Raspberry Pi with the sudo halt command and waiting for it to shut down completely. After that, I found the small white Qwiic port on the board sitting on top of my Pi inside the case. I connected one end of the Qwiic cable there and the other end to the sensor’s matching port. Once everything was plugged in, I powered the Pi back on and installed the required package with sudo pip3 install adafruit-circuitpython-ahtx0. Then I ran the test script to check if the sensor was working.

I struggled a good bit with this. As you may remember, in one of the previous assignments I had said I needed to replace my USB to TTL cable as I had somehow managed to break the first one. For some reason the USB to TTL cable will not work with the Pi, every time I plug it in, the Pi instantly turns off. I’d be happy to send a video, although I’ve since stopped plugging it in because I learned it could be harmful to the Pi. I thought buying a new one would fix the problem but for whatever reason it did not. I tried troubleshooting but to no avail. The other main challenge I ran into was figuring out where the Qwiic cable was supposed to go since it doesn’t connect directly to the Pi itself. Once I realized it connected to the smaller add-on board, the rest went alright.

Although I enjoy the problem-solving (to an extent, I clearly need more patience for it), I’ve definitely been struggling quite a bit in this class lately, I’m hoping I can somehow manage to make all of the moving parts work for the final project. I’ve really appreciated your comments and insights thus far.