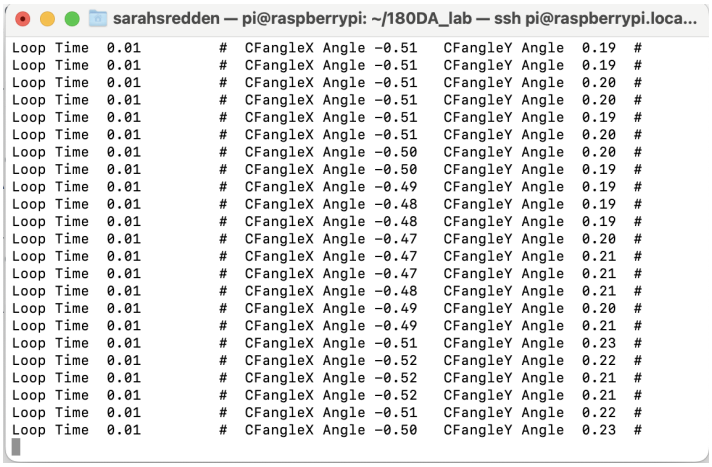
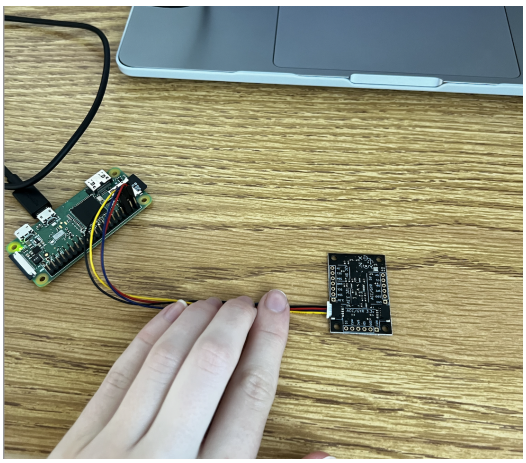
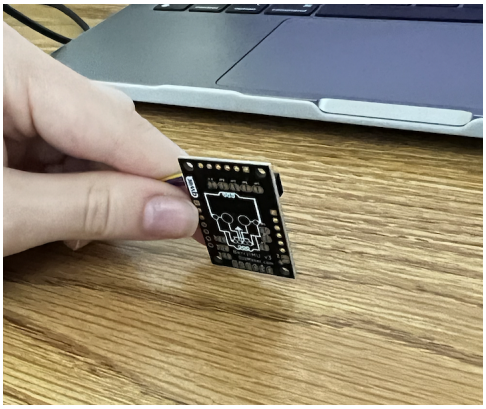
Test Data Record

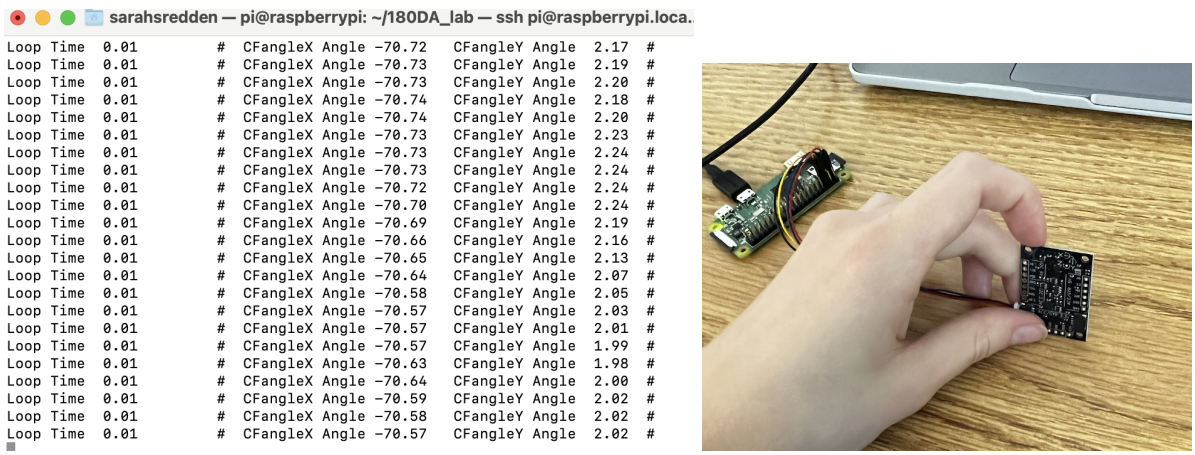




When gyro is flat, CFangleX is around 0. Playing around with this, the values fluctuate around 0 and 30 and -30 for flat-ish. I want the screen to be off with a wide range of values and maybe not even open until it is closer to perpendicular.



I think this is about the point/angle I want the screen to turn on, so this is about 70 deg. Anything above 70 i want it to stay on, unless upside down which i will tackle in the next set of values.



Finally I wanted it to tun on/off if it is on backwards just for versatility. This anle turns out to also be around -70.

Then we have the command:

```
subprocess.run('vcgencmd display_power 0', shell=True)
```

This is the line that will turn the display itself on and off by just cutting the power to the hdmi… just replace the 0 with a 1 in the same line to turn it back on.