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CSE 121 Spring 2023
Lab 3 Report
Due: 5/3/23

Lab 3.1

For this part of the lab, I just referenced the ESP32-C3 i2c documentation as well as my code for i2c communication from lab 2.

- Documentation:

<https://docs.espressif.com/projects/esp-idf/en/latest/esp32c3/api-reference/peripherals/i2c.html>

Lab 3.2

For this part, I just worked off of the example esp32c3 code for bluetooth HID (human interface device) demo provided here:

https://github.com/espressif/esp-idf/tree/56123c52aaa08f1b53350c7af30c91320b352ef4/examples/bluetooth/bluedroid/ble/ble_hid_device_demo

Lab 3.3

For this part of the lab, I just combined my code from the previous two parts of the lab by making a new task for reading the IMU accelerometer data and sending it over bluetooth.