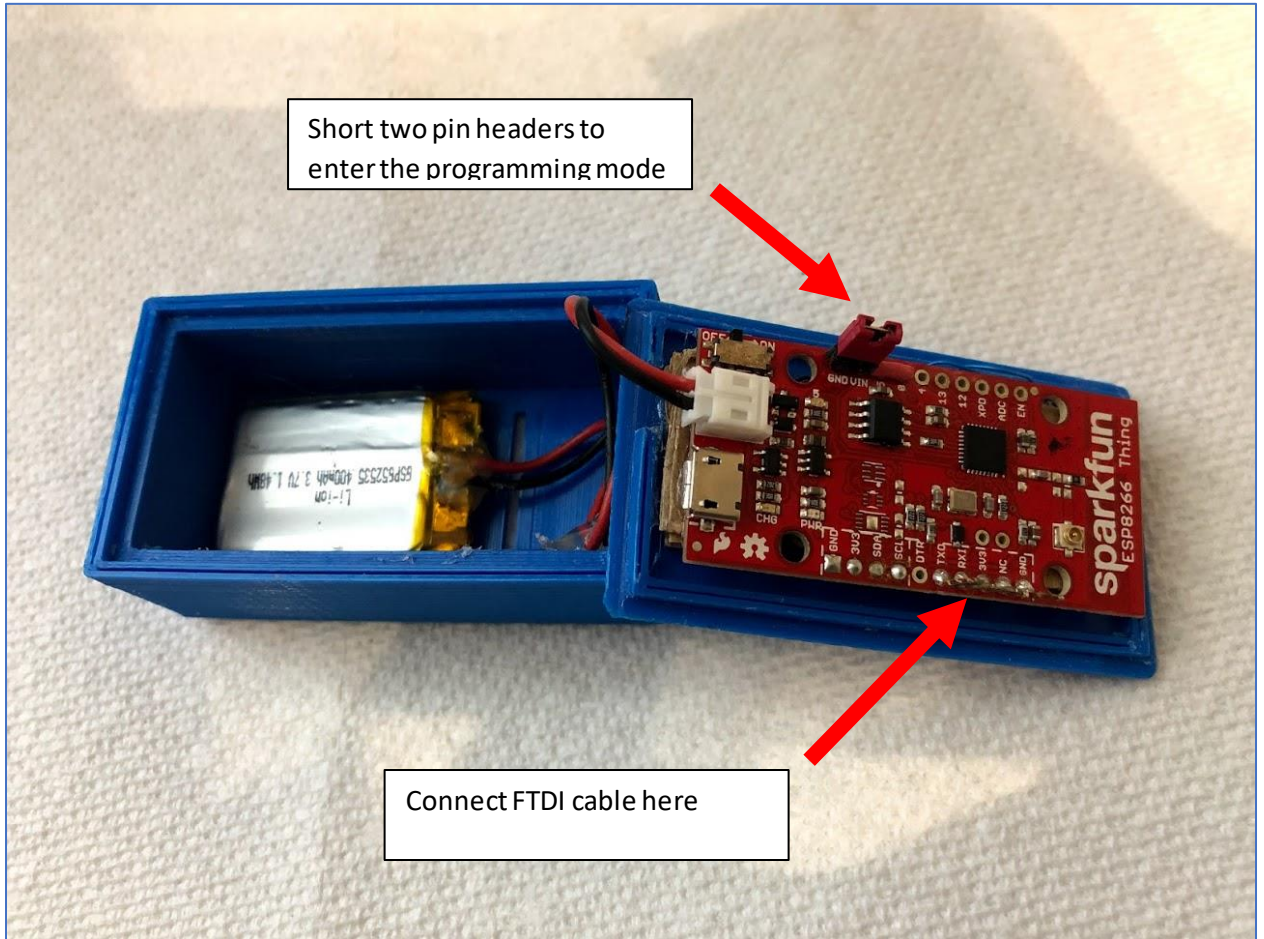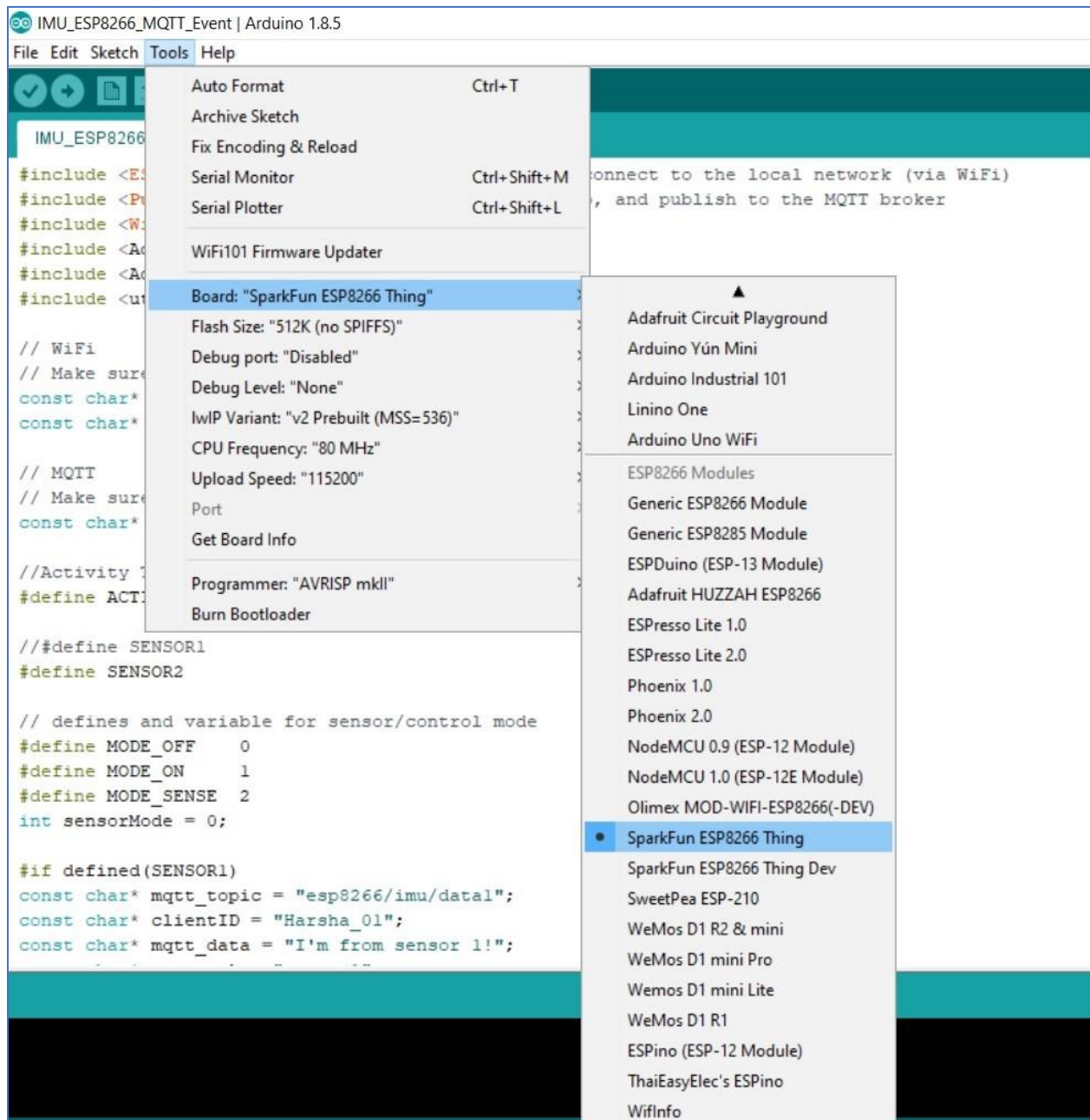# Wireless IMU Sensor Node

How to program

1. Short the two pin headers as in following figure to enter the programming mode
2. Connect FTDI cable as in following figure

3. Select board in Arduino IDE

Make sure to update network information for your own WiFi network

```
// WiFi
// Make sure to update this for your own WiFi network!
const char* ssid = "Pi_AP";
const char* wifi_password = "Raspberry";

// MQTT
// Make sure to update this for your own MQTT Broker!
const char* mqtt_server = "192.168.42.1";
```

Python Program

imu_mqtt.py python program can be used to see the sensor data. Running program subscribes the IMU data and save IMU data into csv file.