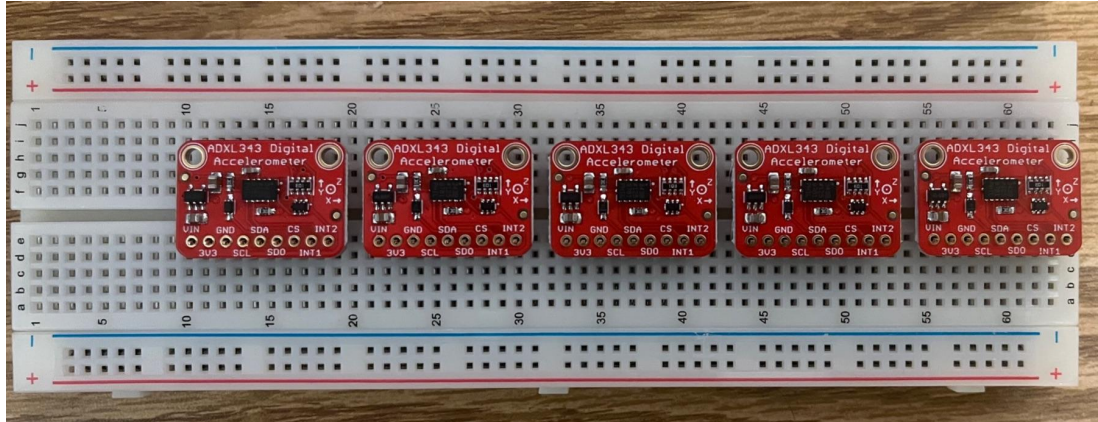


Setup Raspberry Pi:  
Used Canakit Raspberry Pi 4  
Straightforward setup - connected to room WiFi

Setting up sensors:  
<https://learn.adafruit.com/adxl343-breakout-learning-guide/assembly>  
Pre-solder:



Installed Azure CLI:  
<https://docs.microsoft.com/en-us/cli/azure/install-azure-cli-macos>

Followed this to get raspberry pi set up as a device  
<https://docs.microsoft.com/en-us/azure/iot-hub/iot-hub-raspberry-pi-kit-node-get-started>

But, stopped at section which sends message using node js  
Instead, used the python SDK:  
<https://github.com/Azure/azure-iot-sdk-python>

Sent dummy message from Pi to Azure:  
Quick start guide here:  
<https://github.com/Azure/azure-iot-sdk-python/tree/main/azure-iot-device/samples>

Basic order of guides:

1. [Install and use IoT explorer](#)
2. <https://docs.microsoft.com/en-us/cli/azure/install-azure-cli-macos>
3. [Send telemetry using SDK](#) (only for setting up iot hub, device registration)
4. But, use python SDK on the Pi: <https://github.com/Azure/azure-iot-sdk-python>
5. [Manage cloud device messaging with Azure IoT Tools for VS Code](#) Use VScode extension to easily view messages / manage devices
6. <https://learn.adafruit.com/adxl343-breakout-learning-guide/circuitpython> Set up sensor and read data in python