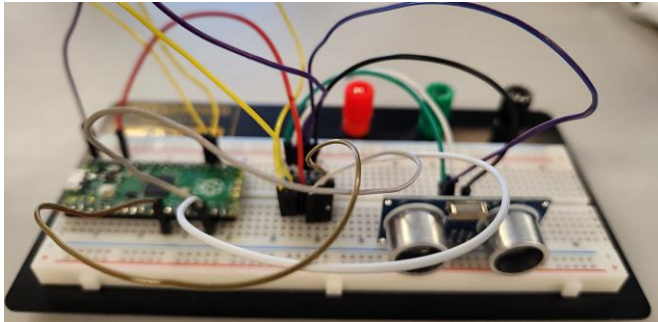


Data Science Labs

Hands-On Arduino & Python Projects
(1 credit lab classes, meet once a week)



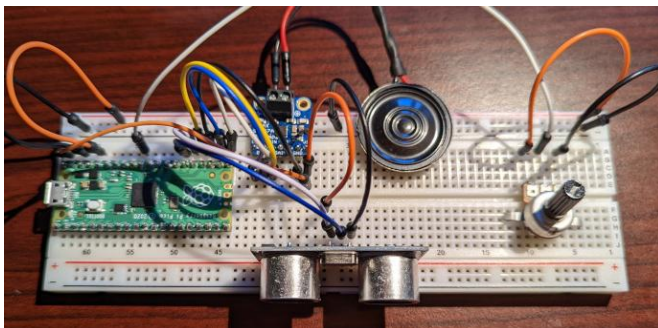
MA 16290 (Calc 2 Lab)

- For MA 162 or MA 166
- No Python experience needed
- Example Project: use an ultrasonic sensor to measure distances



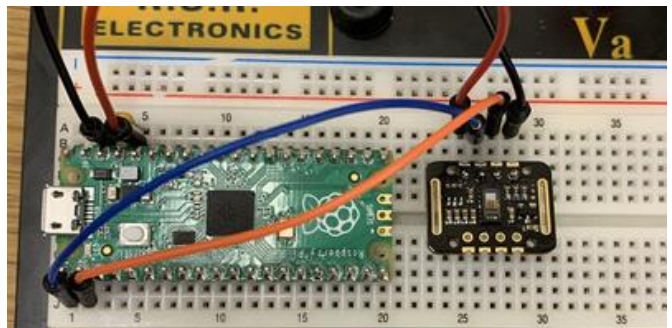
MA 26190 (Calc 3 Lab)

- For MA 261
- Python experience required
- Example Project: create color with NeoPixel LEDs



MA 34990 (Fourier Lab)

- For MA 349 or ECE 301 or AAE 301
- Python experience required
- Example Project: build a theremin using an ultrasonic sensor



MA 41690 (Probability)

- For MA 416 or STAT 416 or ECE 302
- Python experience required
- Example Project: build a random number generator using a heartrate sensor