Lab 8

Questions:

1. The slider is not as effective as a potentiometer. I believe it’s the translation from the program to signal to motor, where the potentiometer’s analog signal has a smoother transmission.
2. For my calibration I used the equation and position code you provided us, setting it at 2/1000.
3. I have returned my Studio already but will be using the lab equipment to reanalyse this.

Conclusion:

Based off this simple lab, the Arduino seems far better suited for motor control then the Pi. However the easy to make GUI for the Pi could create a wide range of applications such as automated blinds with a slider touch screen.

A picture containing wall, indoor

Description automatically generated

Image of motors used, they are dual MG 996R’s from a robotic arm project.