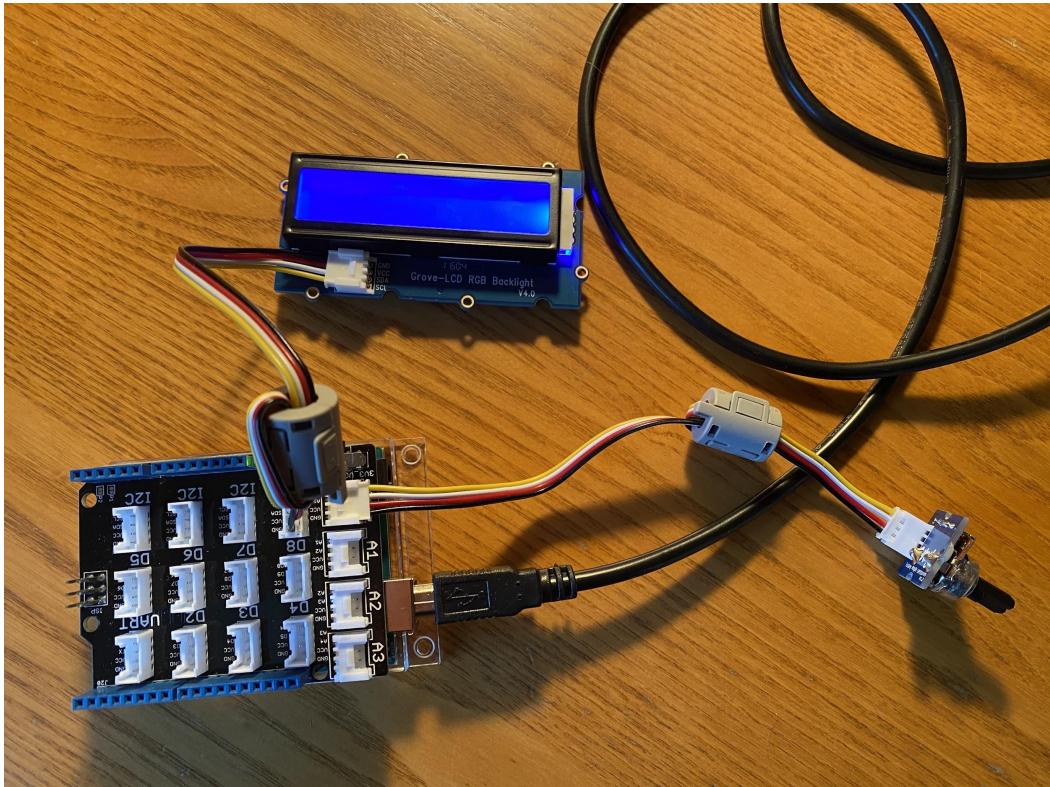
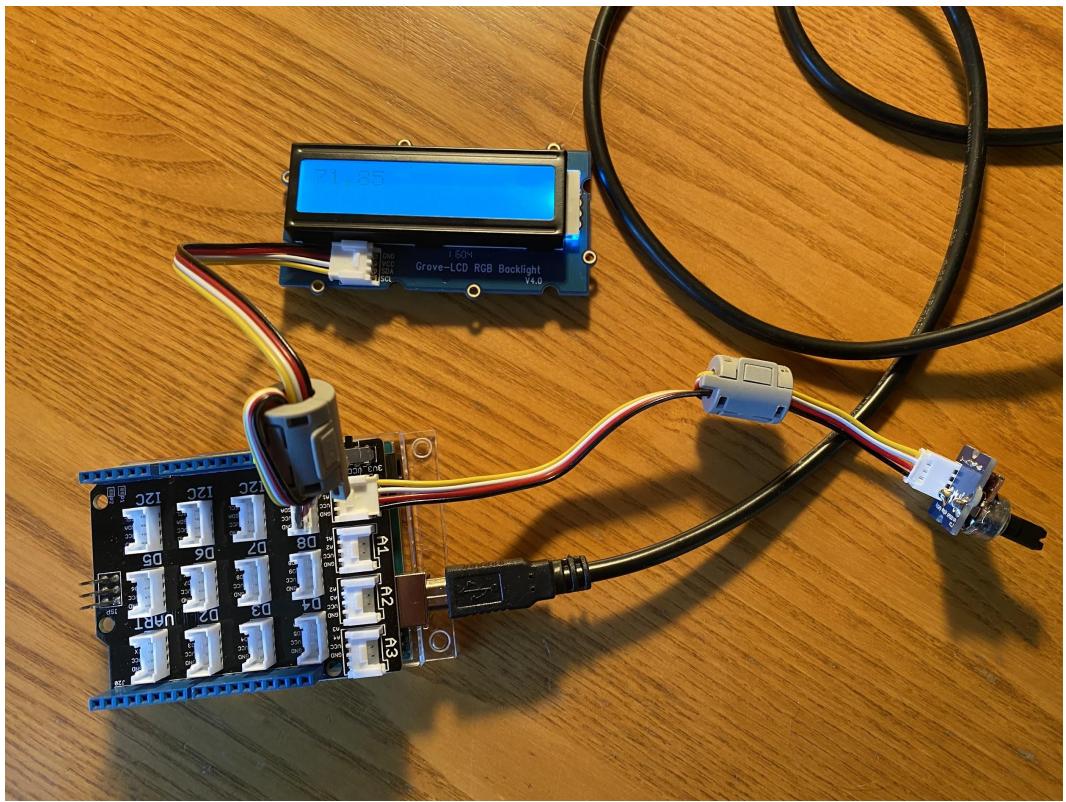
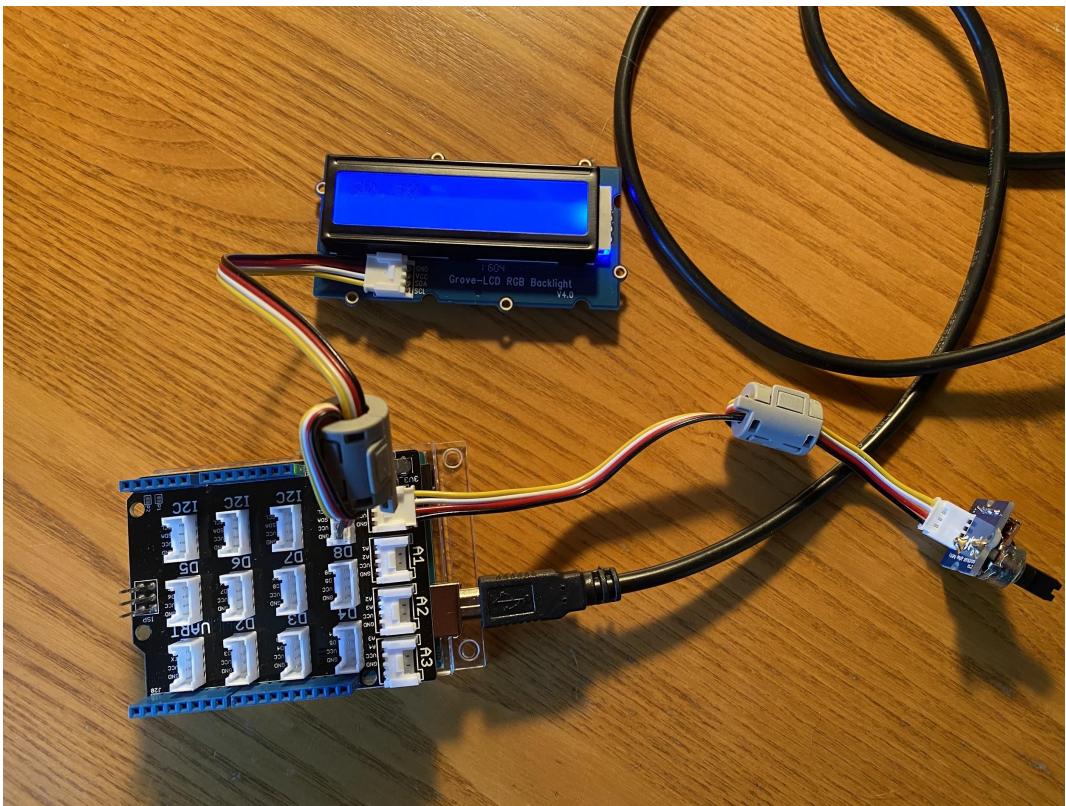
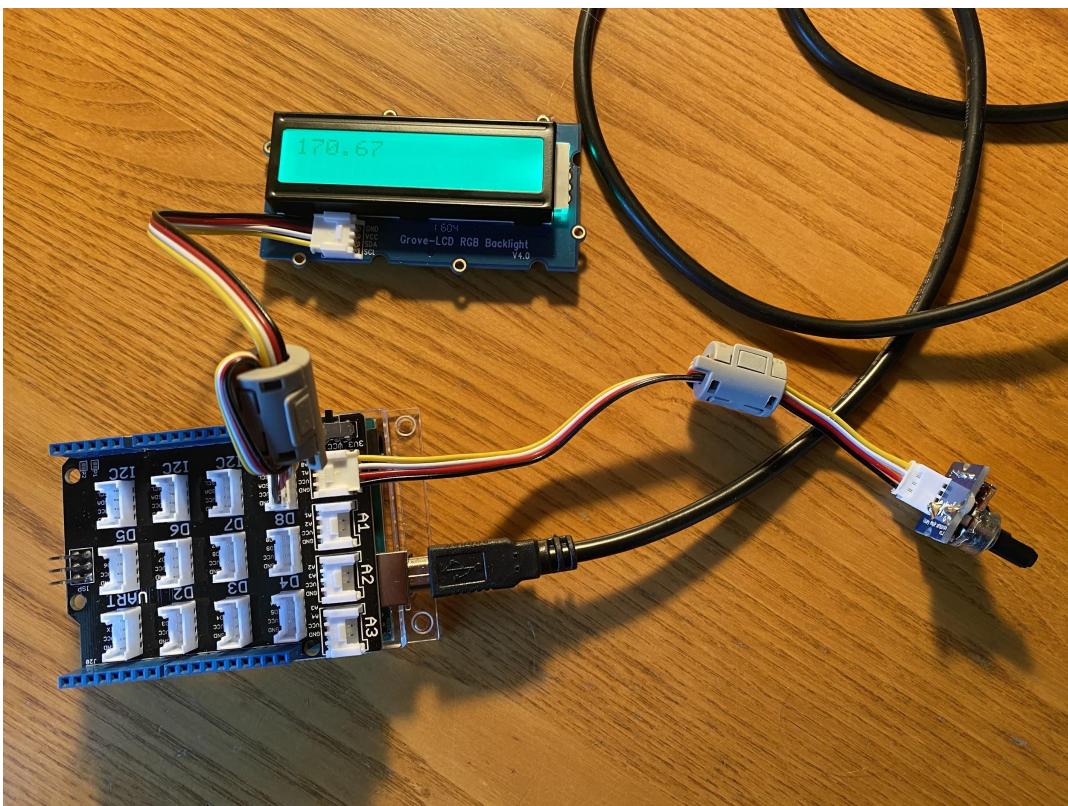
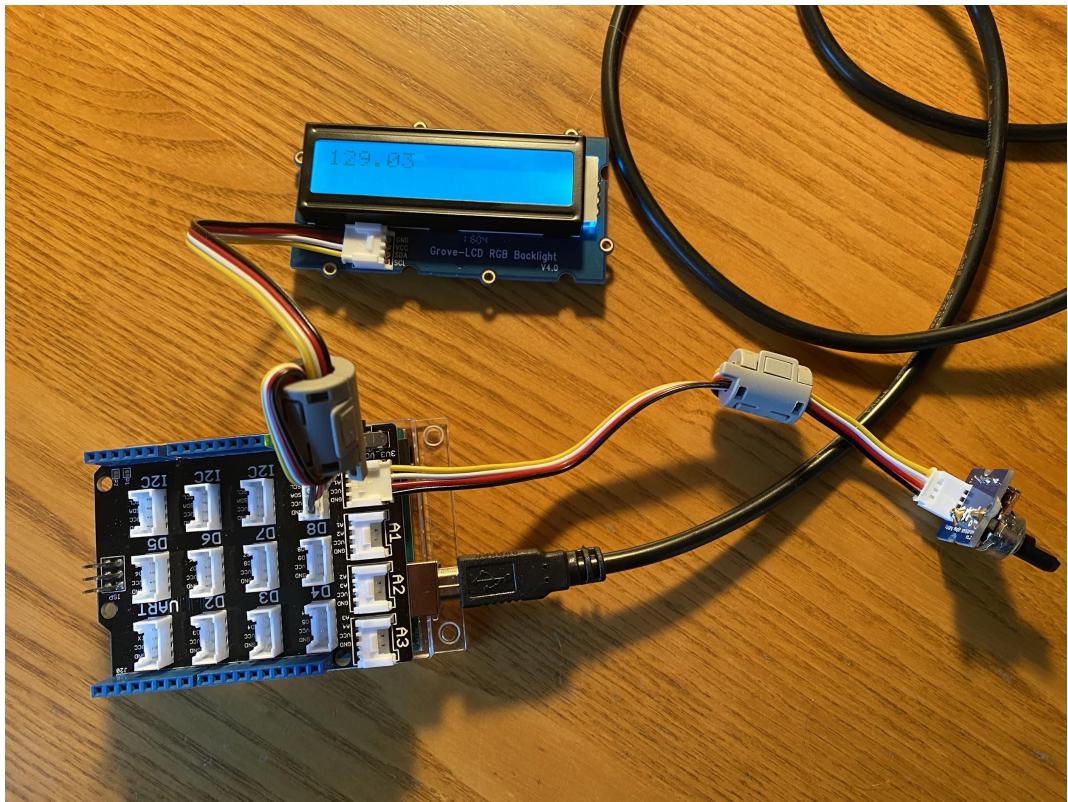


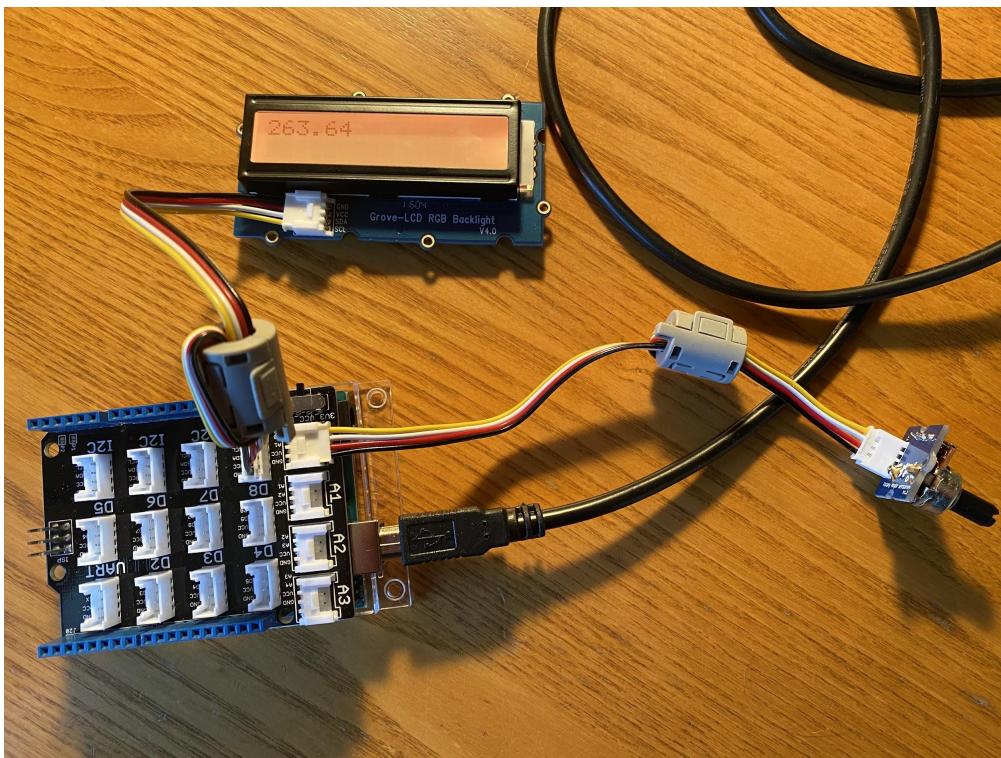
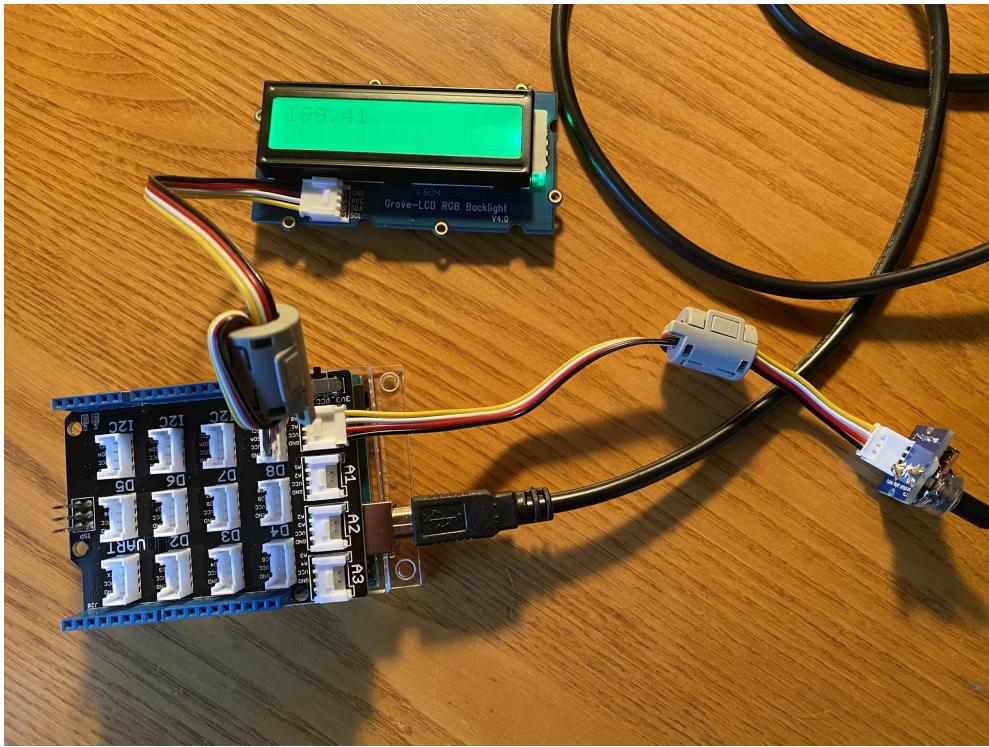
Adjust LCD Color

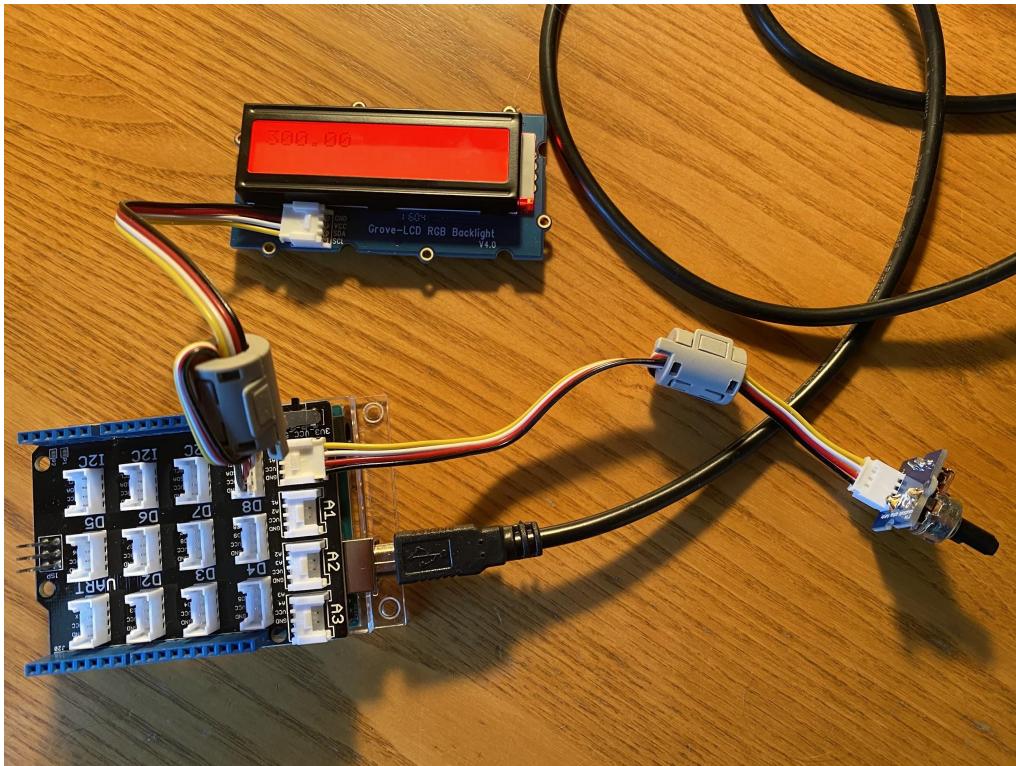
In this experiment I used an Arduino Uno board, a Grove base shield, a LCD screen, a rotary angle sensor, and two 4-pin cables. The circuit was programmed so that it could take a reading of the angle of the rotary sensor position. The code took reading of the angle of the rotary angle sensor every 1 second from 0 to 300 degrees. Depending on the position of the sensor would dictate the background color of the LCD screen. The screen was programmed to be pure blue when at an angle 0 and would change the shade of color as the angle was increased with pure green at an angle of 200 and pure red at the max angle of 300. Every second the LCD background would update and would display the rotary sensor angle on the screen. (Initial images of the experiment are difficult to read due to poor contrast when taking photos.)











Sources:

https://wiki.seeedstudio.com/Grove-Rotary_Angle_Sensor/