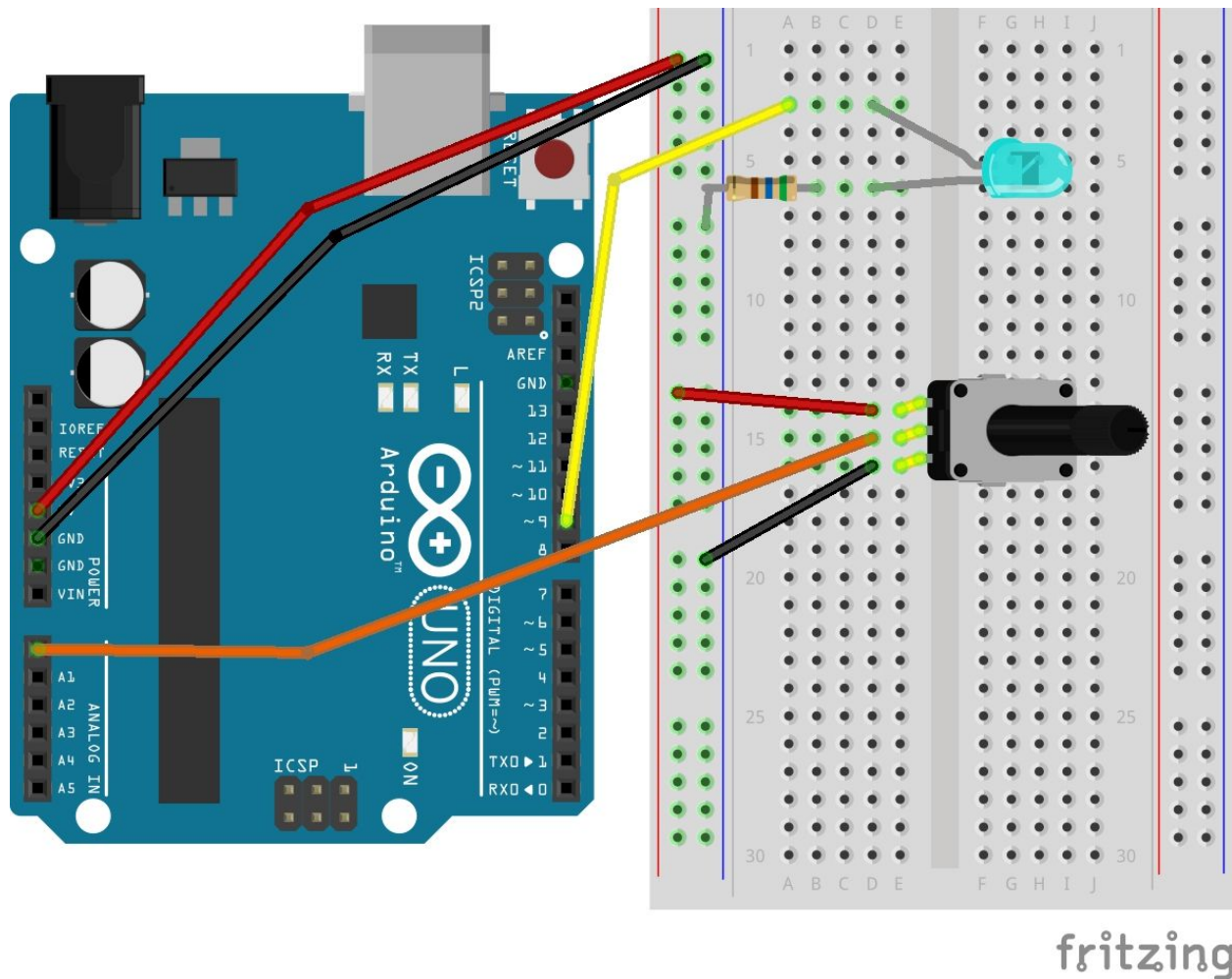# LED Dimmer Control

Circuit Steps:
1. Connect the **5V (Power)** on the Arduino to the **+ rail** of the breadboard.
2. Connect the **GND** on the Arduino to the **– rail** of the breadboard.
3. Wire up the LED circuit that you've previously done. If you need help, look back to one of the previous projects. In this example, it's in pin ~9.
4. Attach the potentiometer to the breadboard. Place it so that the pins are closest (on the left side) to the Arduino. The edge of the potentiometer can hang over into the middle of the breadboard where the rails split.
5. Use 1 jumper wire to connect the power rail of the breadboard to the **V+ (top pin)** on the potentiometer.
6. Use 1 jumper wire to connect the output (middle pin) of the potentiometer to the **A0 analog input** on the Arduino board. Make sure to use the **A0** input and not a digital input.
7. Use 1 jumper wire to connect the **GND (bottom pin)** of the potentiometer.