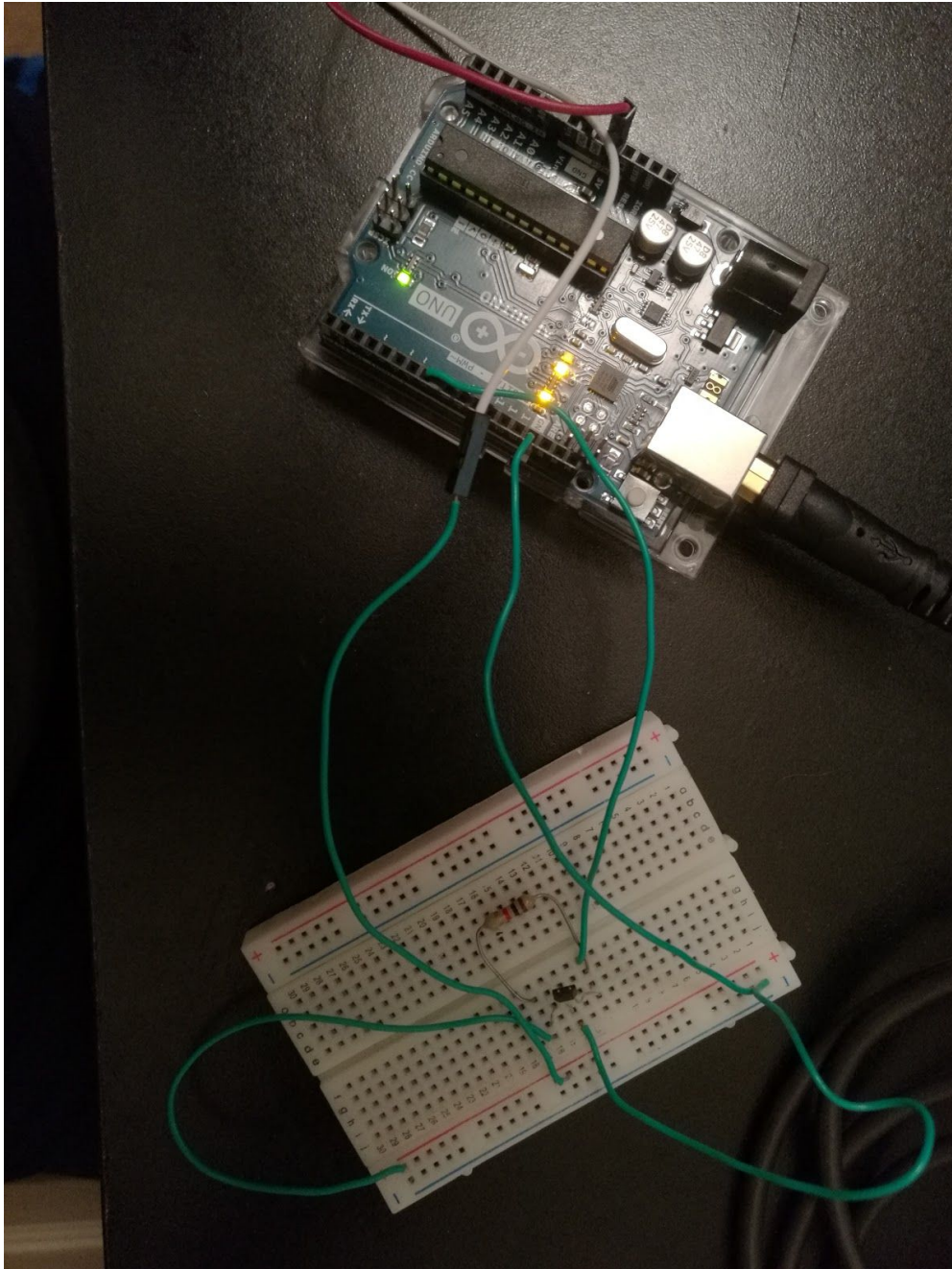




This is because the unit of the Arduino is  $\mu\text{s}$ .



This is the connection of the Hall sensor.  
Pin 1 of the Hall sensor connect to the 5v VCC;  
Pin 2 of the Hall sensor connect to the GND  
Pin 3 of the Hall sensor is output, and connect to the GPIO7 of Arduino Uno.  
Pin 1 and pin 3 have a resistor in parallel