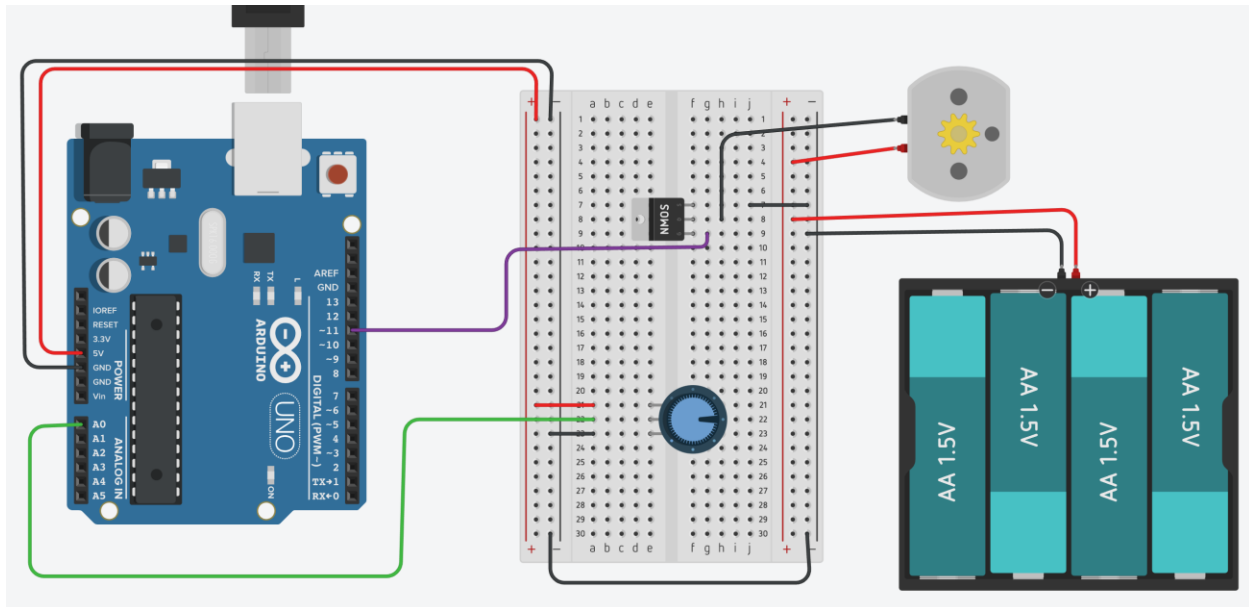


Motor Control Circuit and Example Code



```
// code to control motor speed with potentiometer
```

```
// declare variables
```

```
const int ledPin = 11;
```

```
const int potPin = A0;
```

```
int potReading;
```

```
int PWMvalue;
```

```
void setup()
```

```
{
```

```
    // don't need to use pinMode with analog functions
```

```
}
```

```
void loop()
```

```
{
```

```
    potReading = analogRead(potPin); // read potentiometer value
```

```
    PWMvalue = map(potReading,0,1023,0,255); // convert range
```

```
    analogWrite(ledPin,PWMvalue); // write PWM value to LED pin
```

```
}
```