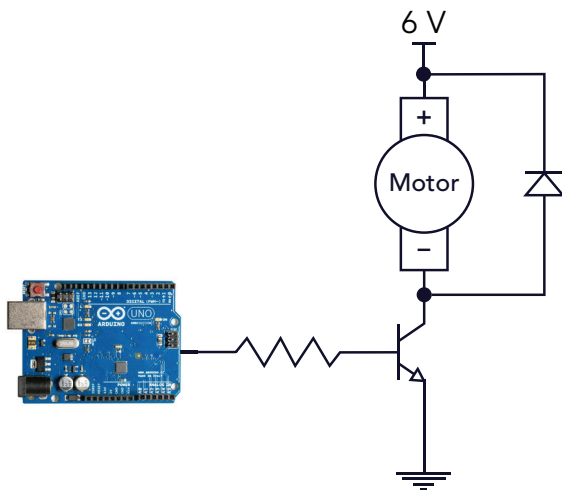## BJT Switch Circuit

This circuit uses a NPN bipolar junction transistor as a high-side switch to control whether a motor is turned on or off using the digital output from an Arduino microcontroller.

Components:

- 6V power source

- Arduino microcontroller

- 6 VDC motor

- 2N3904 NPN transistor

- 1N4148 diode

- 1 kΩ resistor

Schematic:

Circuit: