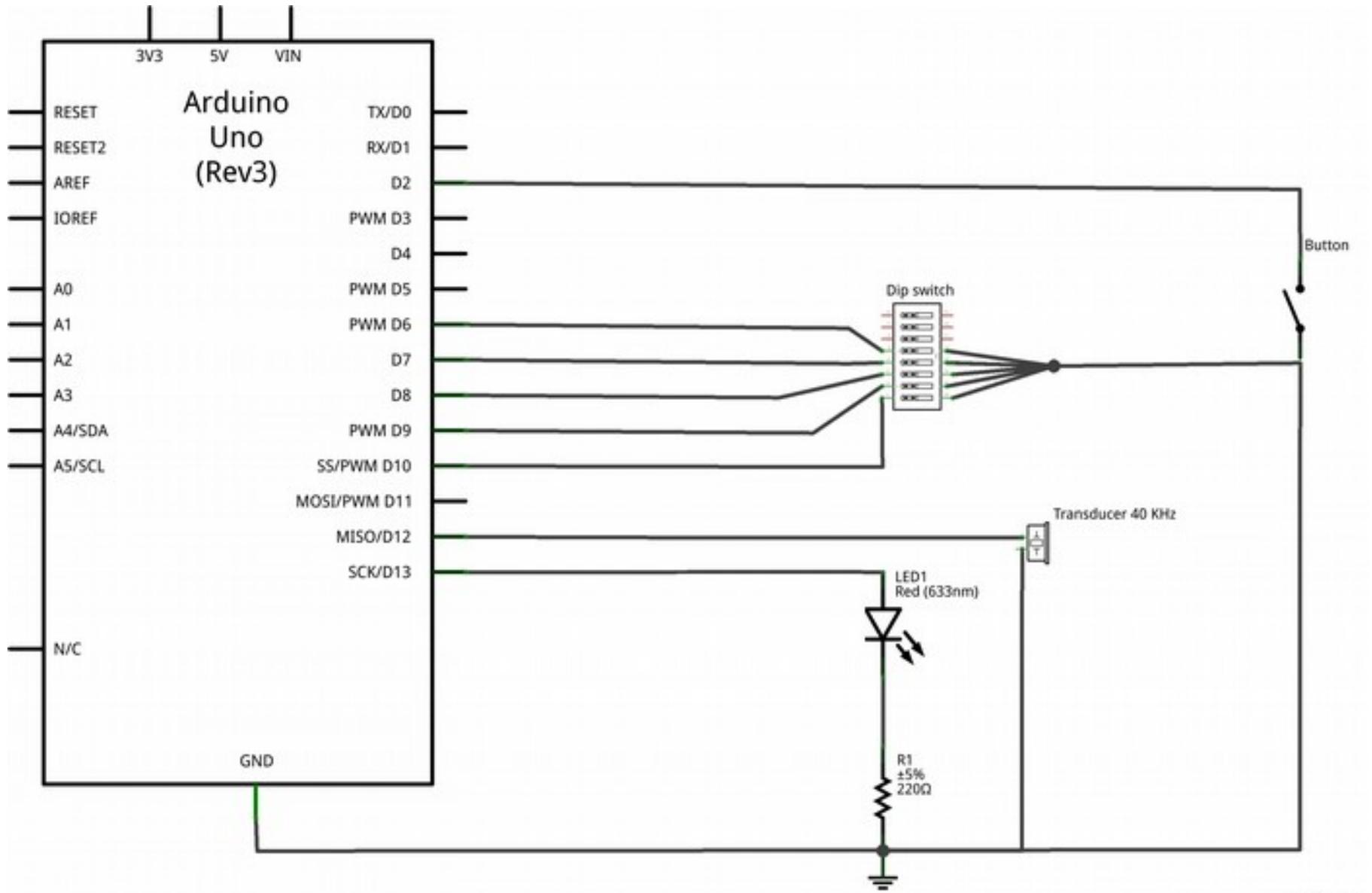


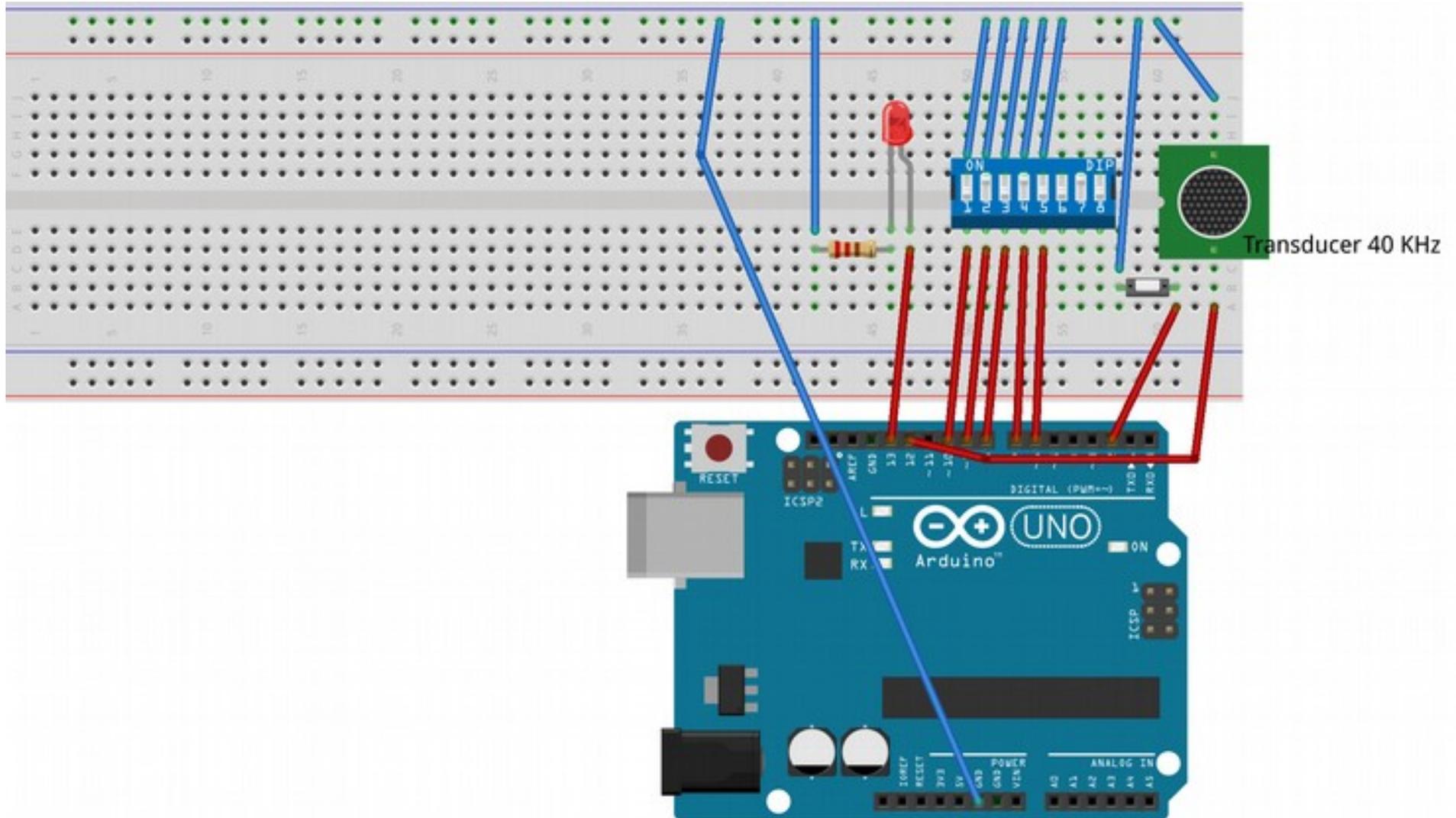
Bat simulator – ultrasonic sound with Arduino

Circuit



fritzing

Wiring



fritzing

Parts

- Hardware: <https://www.reichelt.de>
 - Arduino Uno Rev. 3, ATmega328, USB Art. Nr. : ARDUINO UNO (19,5 €)
 - Ultraschallsender, Ø 16mm, H 12mm, Art.Nr. UST-40T (5,3 €)
 - Dip-Schalter, liegend, 5-polig Art.Nr NT 05 (0,26 €)
 - Kurzhubtaster 6x6mm, Höhe: 5,0mm, 12V, vertikal, Art. Nr TASTER 9302 (0,13 €)
 - Lochrasterplatine, Hartpapier, 50x100mm Art. Nr. HPR 50X100 (0,42 €)
 - 2 x Stiftheiste 2,54 mm, 1X16, gerade Art. Nr. MPE 087-1-016 (2 x 0,25 €)
 - LED, 5 mm, bedrahtet, gelb, 18 mcd, Art.Nr. LED 5MM GE (0,07 €)
 - Widerstand, Kohleschicht, 220 Ohm, 0207, 250 mW, 5% Art. Nr. 1/4W 220 (0,1 €)
- Software (sketch and description):
 - <https://github.com/ffhmon/arduino>