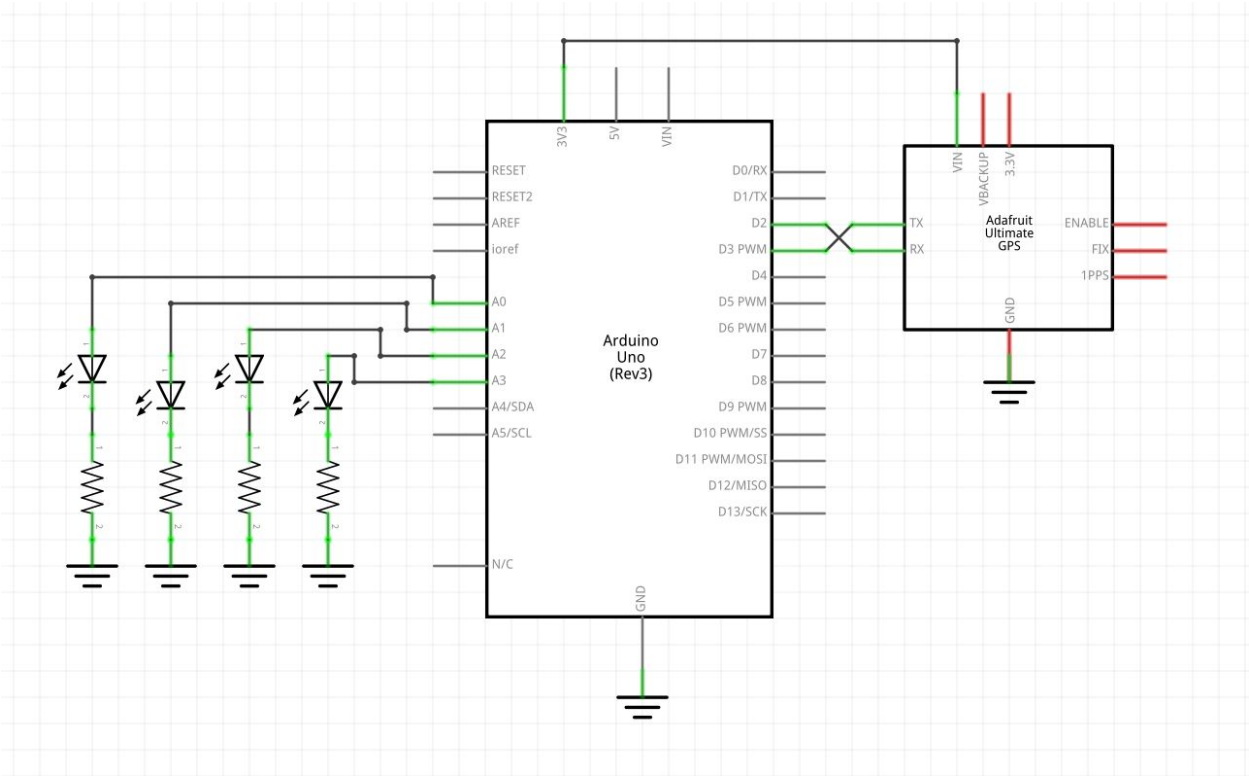
Questions? Contact jeff@jvon.org or michael@jvon.org

**First, the super-simple schematic:**

Connect a GPS and four LEDs to a microcontroller (Adafruit notes are here).




**Second, the equally straightforward challenge:**

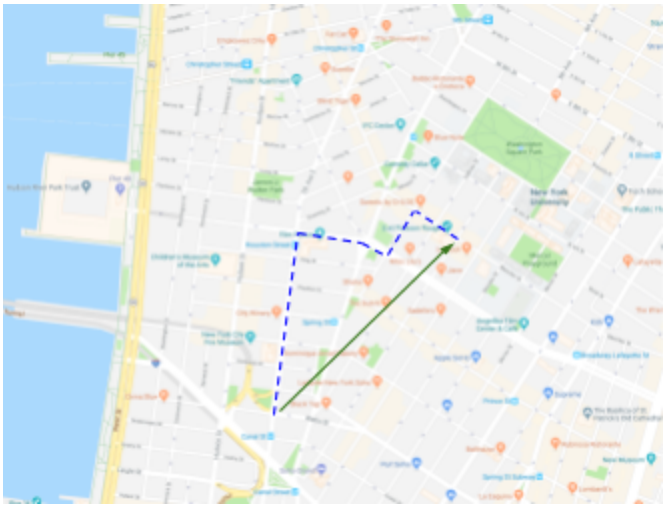
Label the four LEDs as follows:

**STOP** means the distance to the target coordinates is within 25 meters.

**GO** means the distance to the target coordinates exceeds 25 meters.

**RIGHT** means is would be a good idea to take a right, if possible (see map… the blue line is one path to the destination; the green arrow is the direction to the destination; take a right, if possible).

**LEFT** means it would be a good idea to take a left, if possible.



**Third,** a really great Arduino GPS library is here or on GitHub (with thanks to Mikal Hart)

**Fourth,** write a program to make the LEDs light up at the right time, given a set of target coordinates.

**Fifth:** don't drive into anything just because an LED labeled "left" or "right" lights up; follow the road.