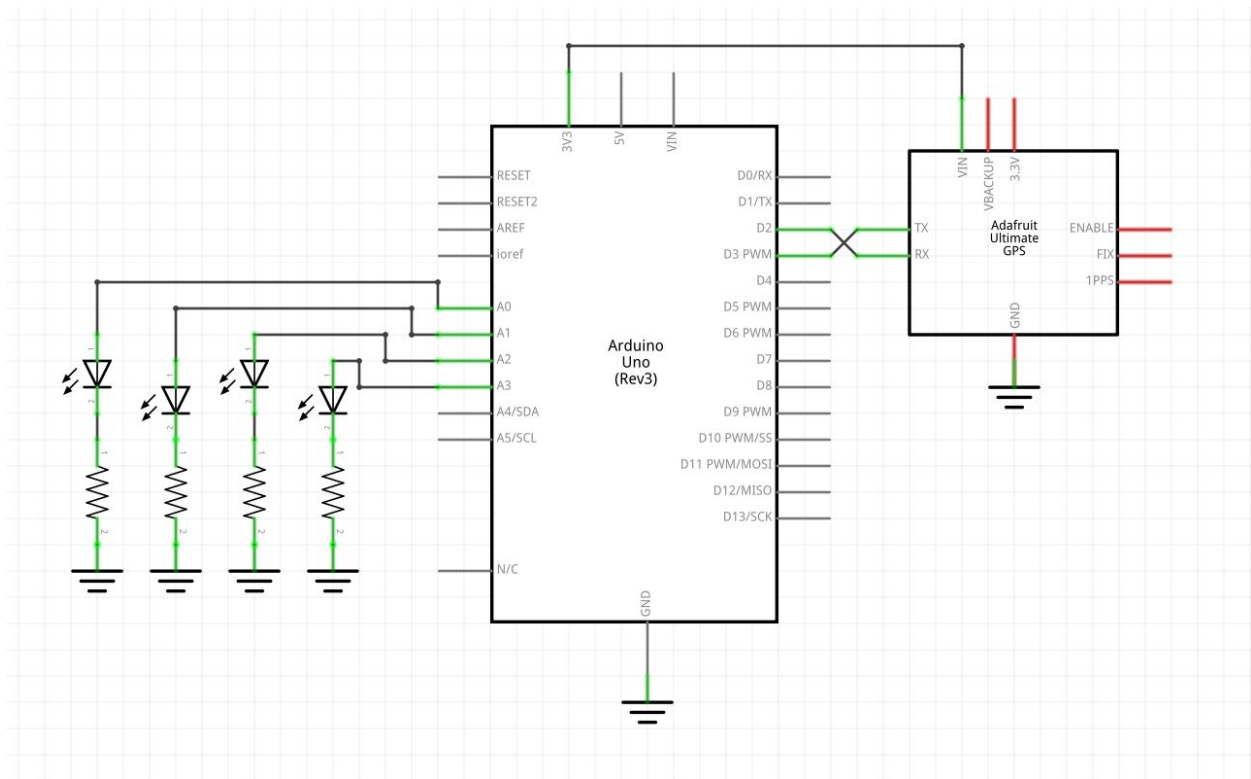


Questions? Contact jeff@jvon.org or michael@jvon.org

First, the super-simple schematic:

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



Second, the equally straightforward challenge:

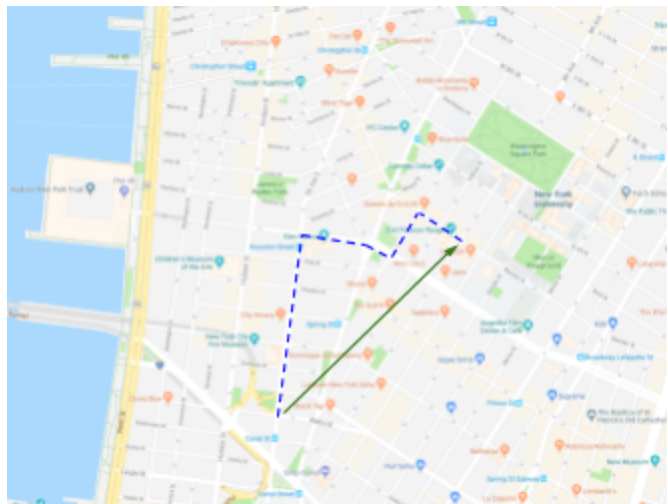
Label the four LEDs as follows:

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 it 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.

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