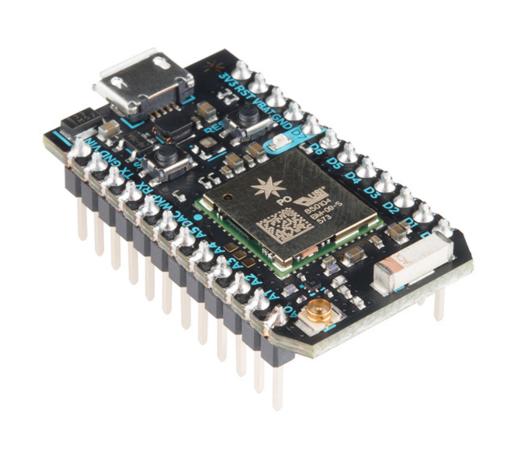
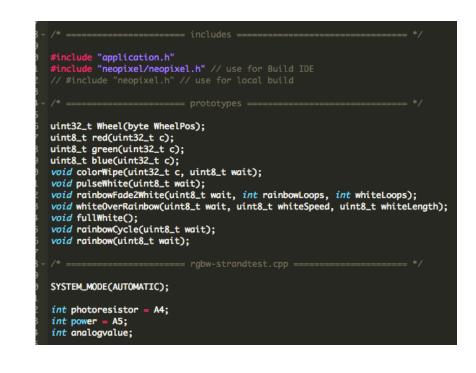


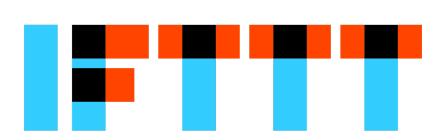


SOFTWARE

HAREWARE











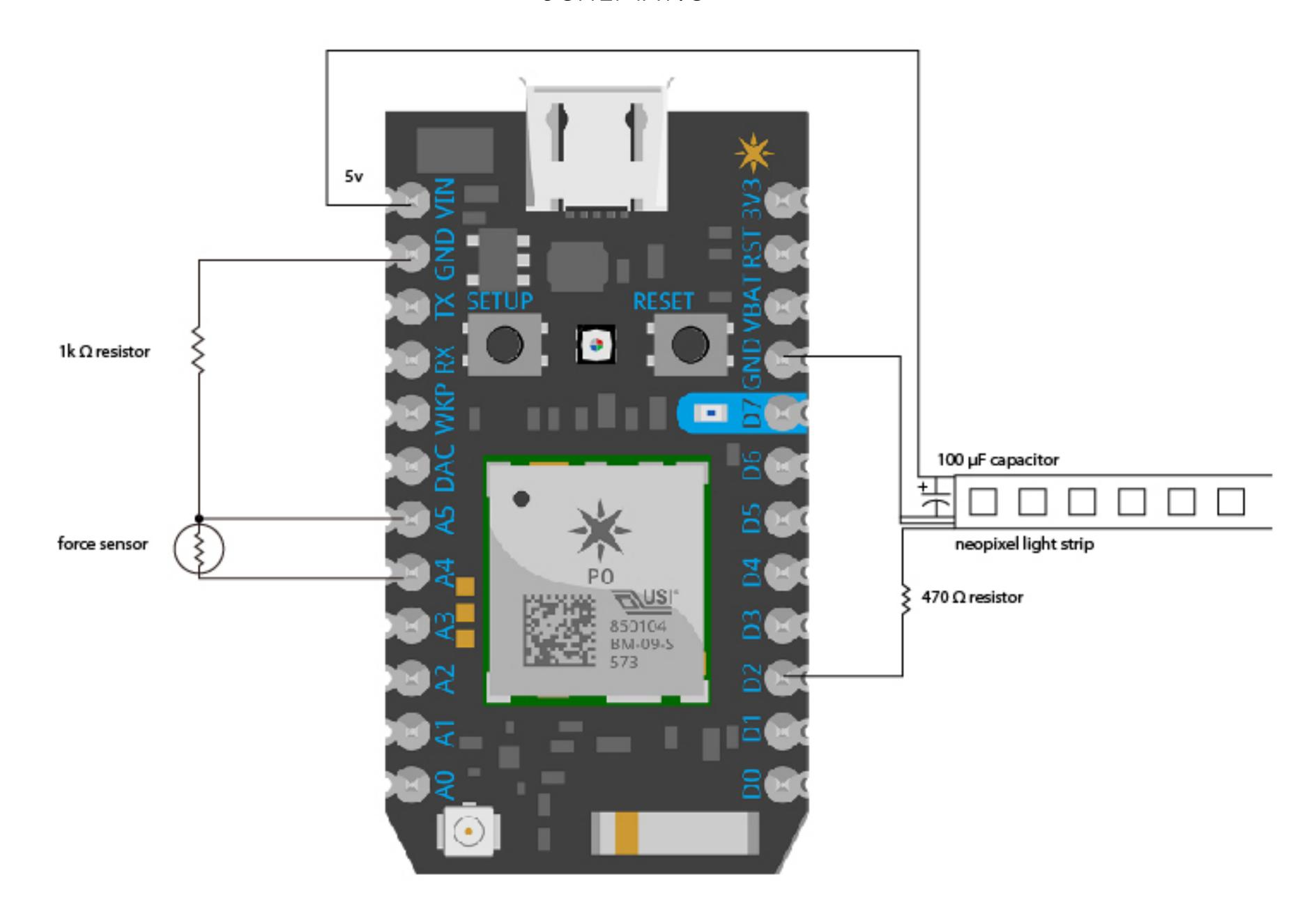
photon particle

code & IFTTT

force sensor

led strip

SCHEMATIC



physical balls with different weights force sensor neopixel led light strip particle photon

SENSOR READING

wood ball



steel ball







Particle.variable()

v analogvalue (Integer)

Particle.variable()

17

v analogvalue (Integer)

Particle.variable()

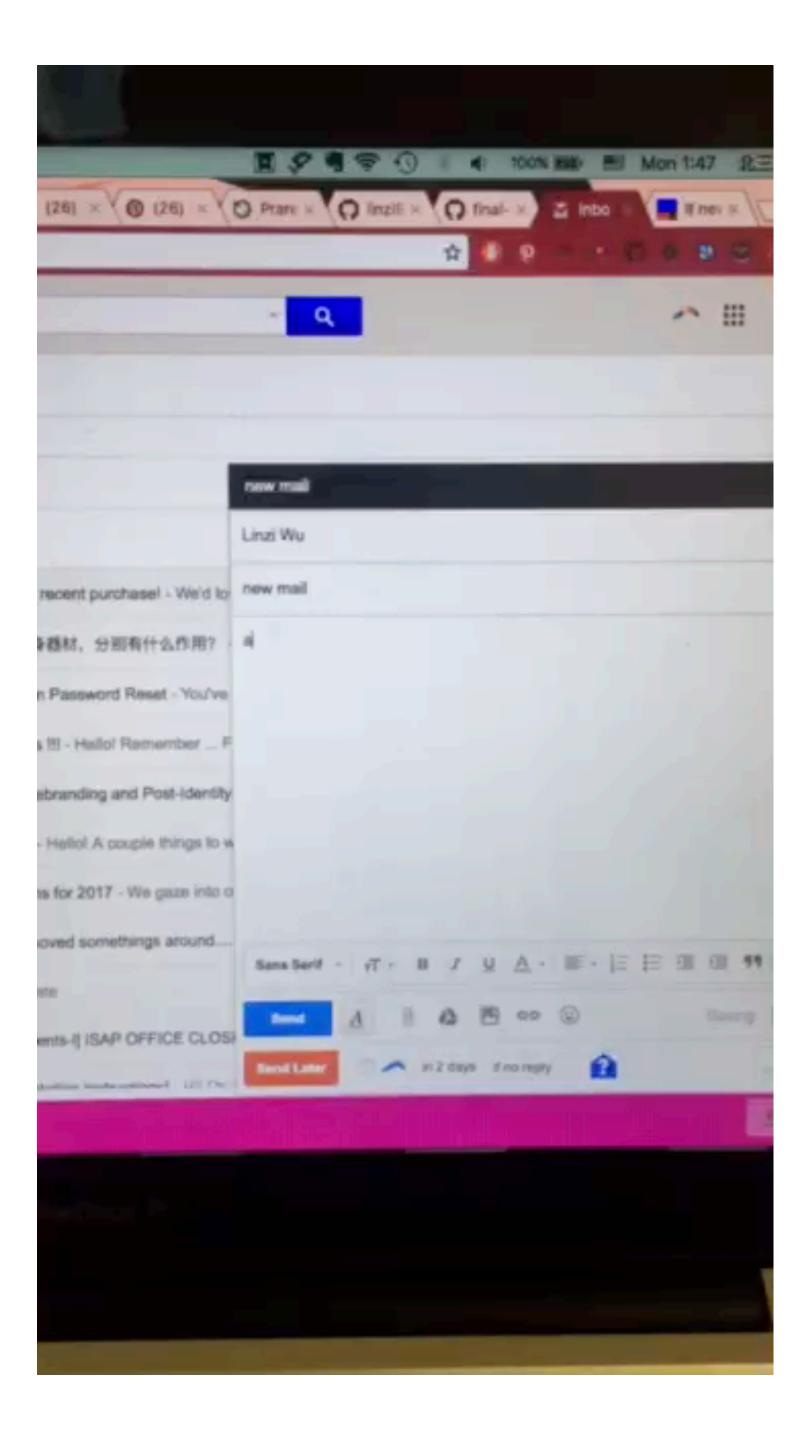
v analogvalue (Integer)

37

159

setup:

once I sent an email to myself when I'm in the medium focus level (represented by the acrylic ball), the led strip will light up.



DIFFICULT PROBLEMS

- ELEMENTS AND DELIVERY

Have to figure out all the elements that are needed in the project ahead so that it arrives in time.

- CODE

First time to work with Photon and IFTTT. Have no idea how to let two softwares talk to each other.

- PHOTON CONNECTION

It's really hard to connect Photon to school wifi. So I have to bring it home to work at most time.

- PHYSICAL DEVICE

First time to make a physical case for electronic devices. Have to plan ahead before making the model. (Have to take the USB size into account, which I forgot at first.)

- ELECTRONIC/SOLDERING

Transferring all the electronic circuit part to the soldering board in a minimal size.