

# Reflection Essay

## Making For Good

### Spring 2018

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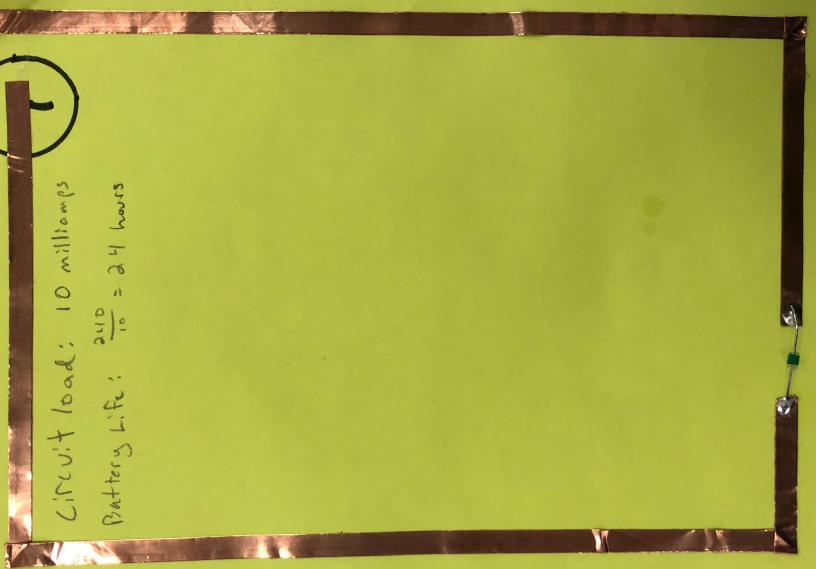
My experience working with paper circuits came with a few surprising difficulties. I did not realize how bad I was at laying down copper tape in a straight line, and after multiple ripped attempts of assignments, I was actually very pleased with the submitted products. I also faced issues getting my pull tab to work smoothly, and in the future I would have to have a better implementation to get a smoother action on the tape.

Soldering was another beast I had to learn to tame. It took me multiple, very slow attempts to get the solder to look somewhat okay, and even more attempts to get it done neatly and quickly. By the end of the assignment, although, I found my rhythm and was able to solder more efficiently.

Calculations were made using the information on the LEDs and the battery. The circuit load was calculated by multiplying the number of LEDs by 10, because that is the millamps of each of the LEDs. Battery life was calculated by dividing 240 by the circuit load.

- 1) Circuit 1
- 2) Circuit 2
- 3) Circuit 3
- 4) Circuit 4
- 5) Circuit 5

1. Simple  
Circuit



Q. Switch Tse T -

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Circuit load: 10 mA  
Battery life = 24 hours

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3. Parallel Circuit

Circuit load: 30 mA  
Battery life: 8 hours

