Assignment 2 – Light Sculpture
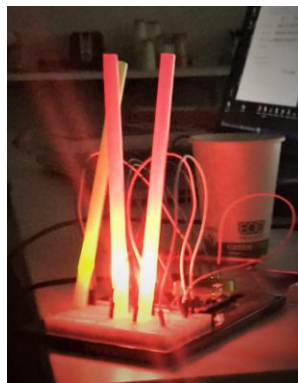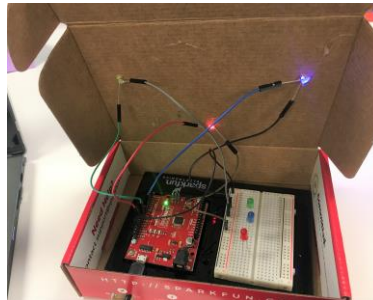
Goals
- Connect LEDs to Argon
- Create engaging art piece

Overview
This assignment is to create a physical art sculpture using the Argon and LEDs. The specifics of what the sculpture looks like or what it does is entirely up to you. You can put LEDs on a box, on a card, inside straws or ping-pongs, etc. One suggestion is that you can use "extending" jumper wires (female-male) to have the LEDs away from the breadboard. If you want to use these, ask the instructor.

Some example are below.

Components
- Argon
- Breadboard
- 3 x LEDs (or more)
- 3 x 330 Ohm resistors
- Jumper wire (standard male-male)
- Creative supplies for sculpture (e.g. cardboard box, straws, glue sticks, felt, paper, ping-pong balls, etc.)
- Optional: extension jumper wires (female-male)

Requirements
- Connect at least three LEDs to Argon

- Control LEDs on / off / blink from code

Required naming convention (replace # with the current assignment number)
- **Project Name**
    o itp348_a#_lastname_firstname
- **Zip File** (include entire project folder)
    o itp348_a#_lastname_firstname.zip

Deliverables
1. A compressed file containing your project. Follow the guidelines for full credit.
   <u>Here are the instructions for submission</u>
   a) Navigate to your project folder.
   b) Include the *entire* folder in a zip file
   c) Rename the zip file based on naming convention
   d) Upload zip file to Blackboard site for our course
2. A photograph of your device connected to USB with the blue light on.

Grading

Item	Points
Three LEDs used	10
Appropriate resistors	5
3d sculpture (not just lights on breadboard)	5
Total	**20**