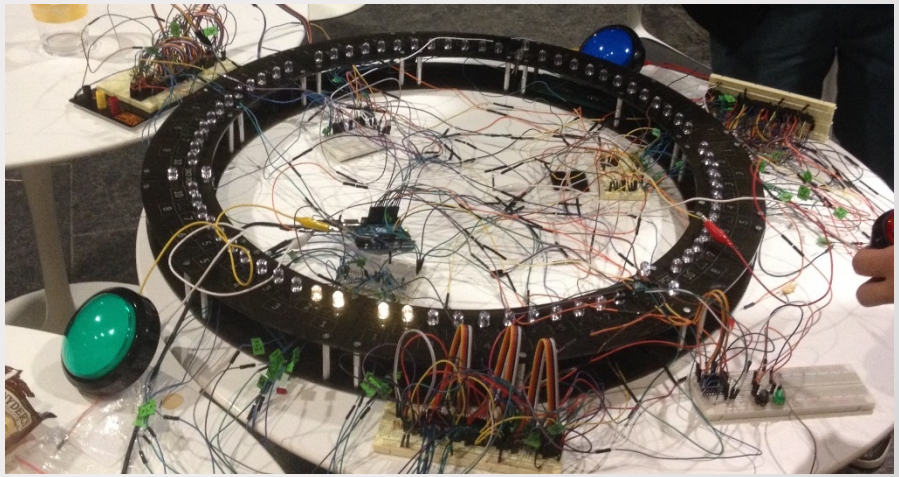
Vortex Game

ES50 Final Project 2014

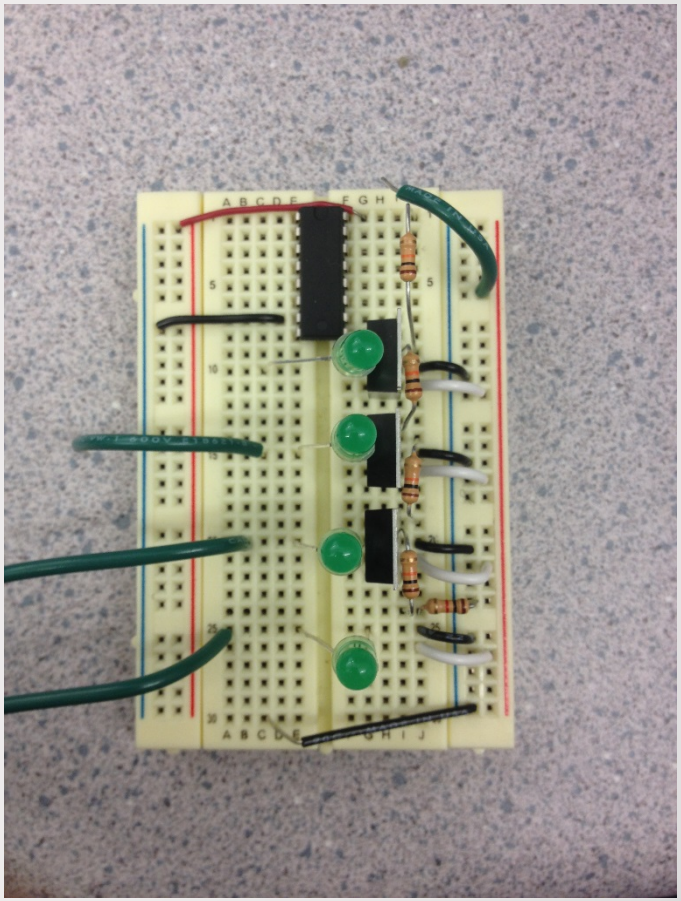
Cameron Akker, Kyle Devine, Bahlakoana Mabetha

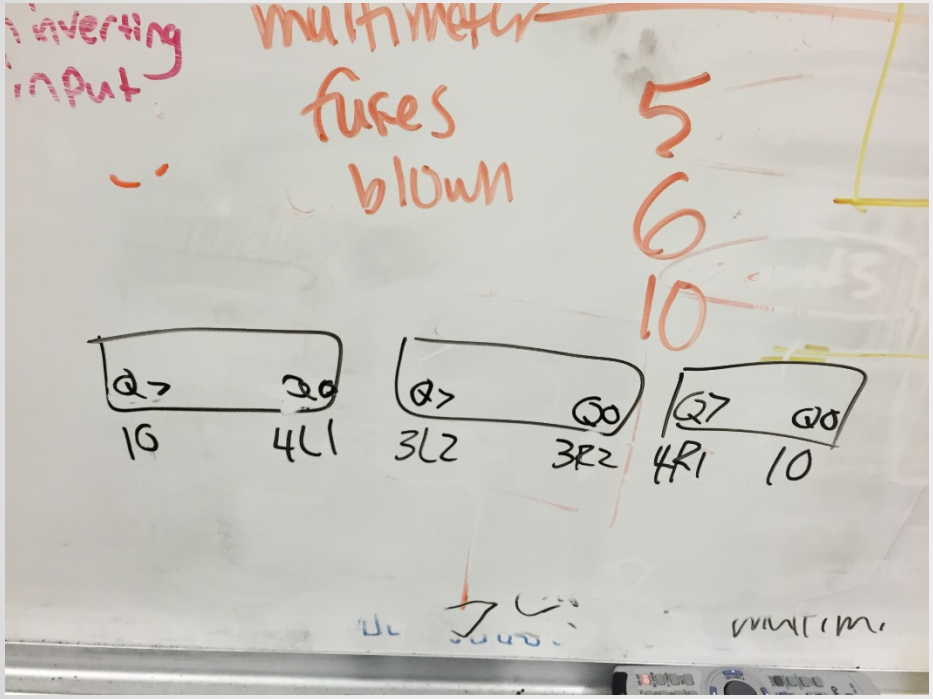


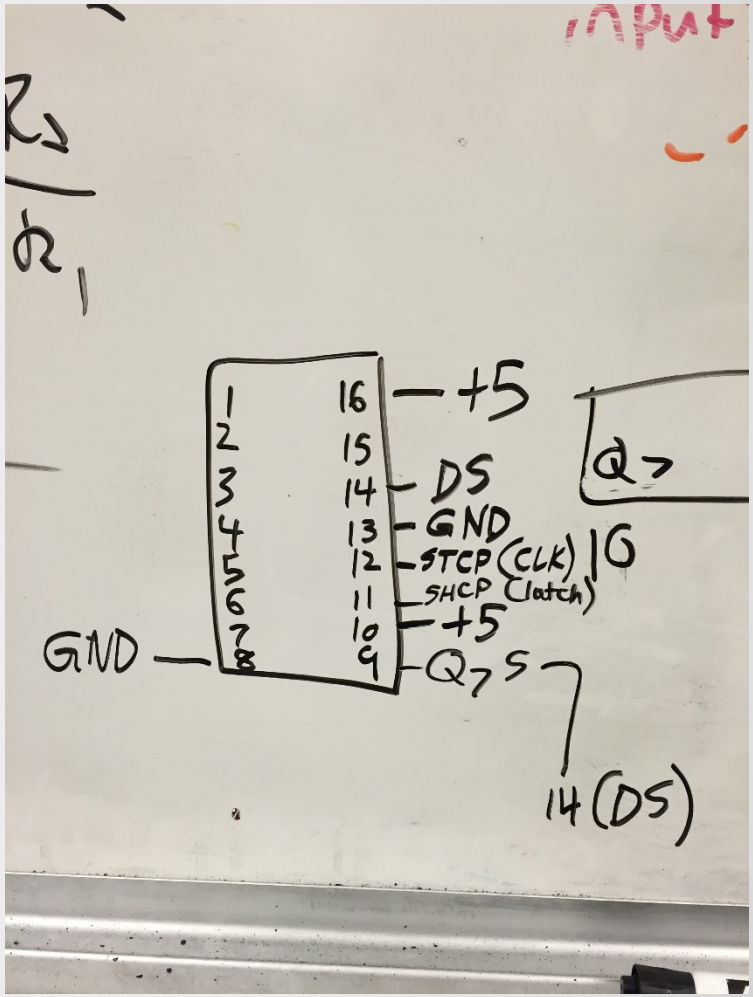
https://www.youtube.com/watch?v=_cXjJ6qV7Ng

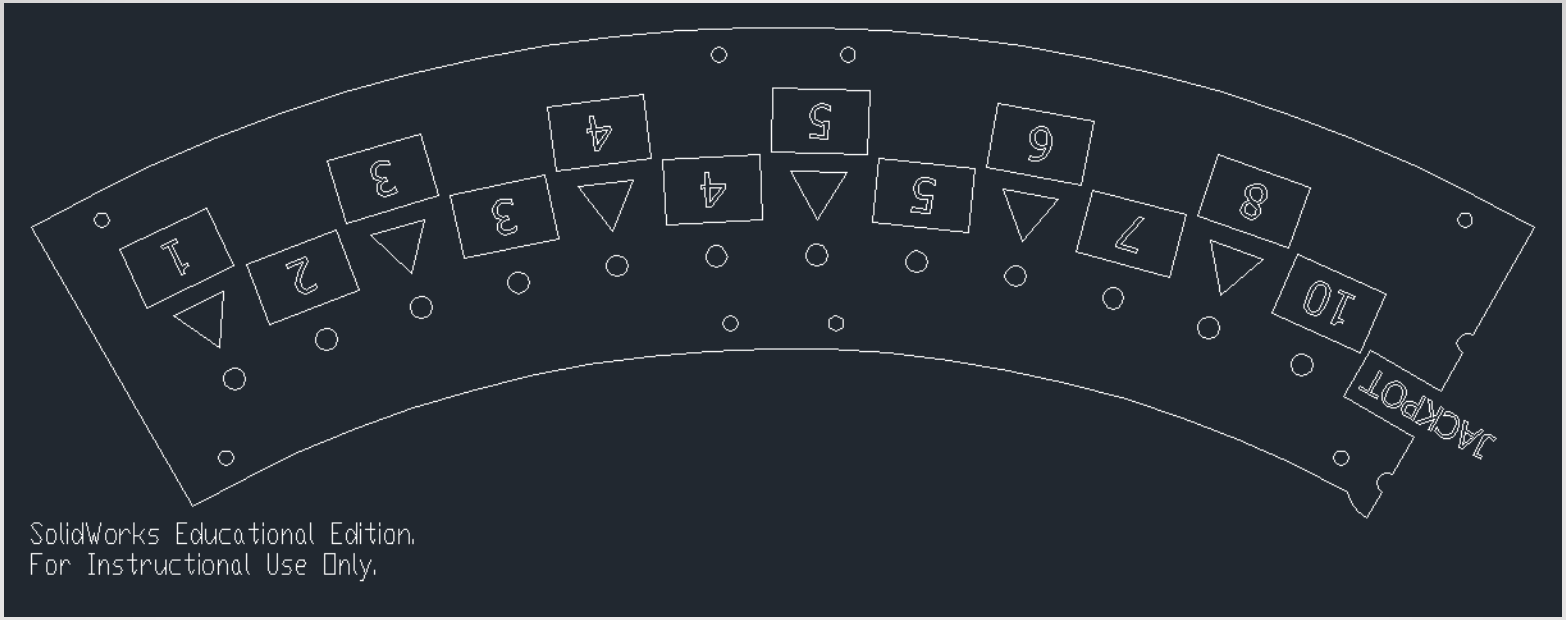
Project Design

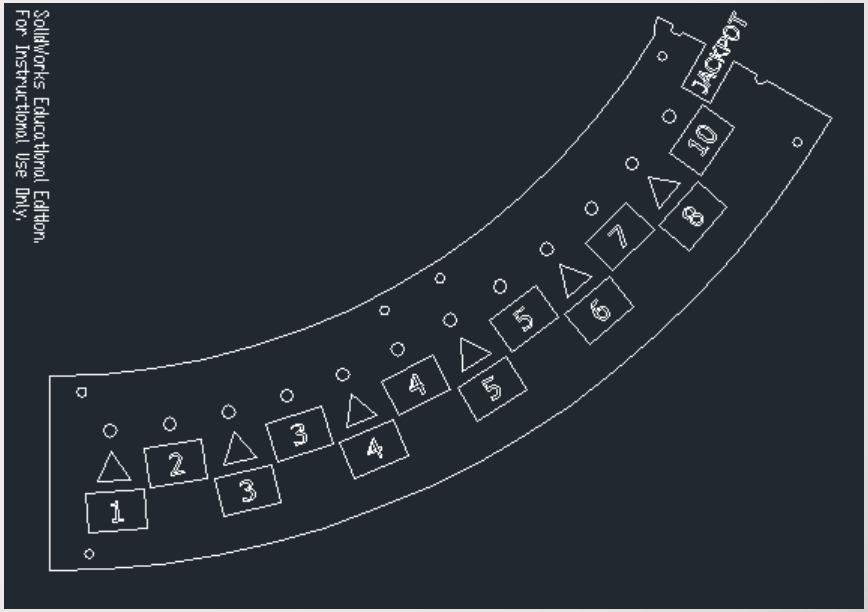
- Logic
  - Cycling through LEDs with controlled timing through Arduino
  - Button press freezes the LED
- Scale
  - 78 Unique LEDs (24 per third of the board, 6 Jackpot)
- Unique Parts
  - Acrylic (board), big LEDs
- Shift Registers!




inverting
input
multimeter
fuses
blown
5
6
10
Q7
Q0
10
4L1
3L2
3R2
4R1
10


input
+5
DS
GND
STCP (CLK)
SHCP (latch)
+5
Q7S
GND
14 (DS)
Q7


JACKPOT
10
8
7
6
5
5
4
4
3
3
2
1
SolidWorks Educational Edition.
For Instructional Use Only.


JACKPOT
10
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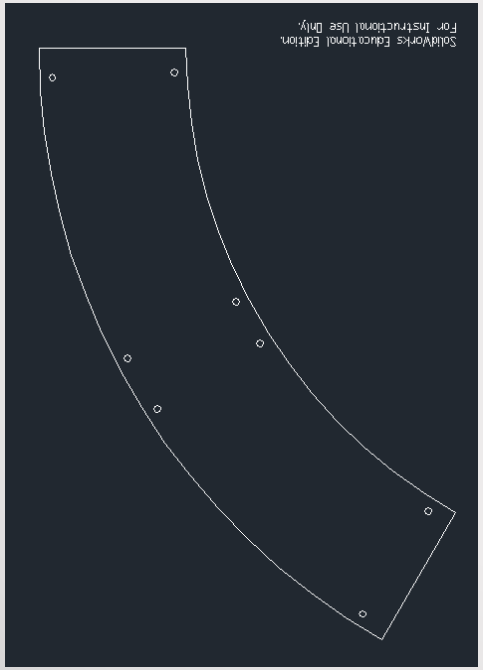
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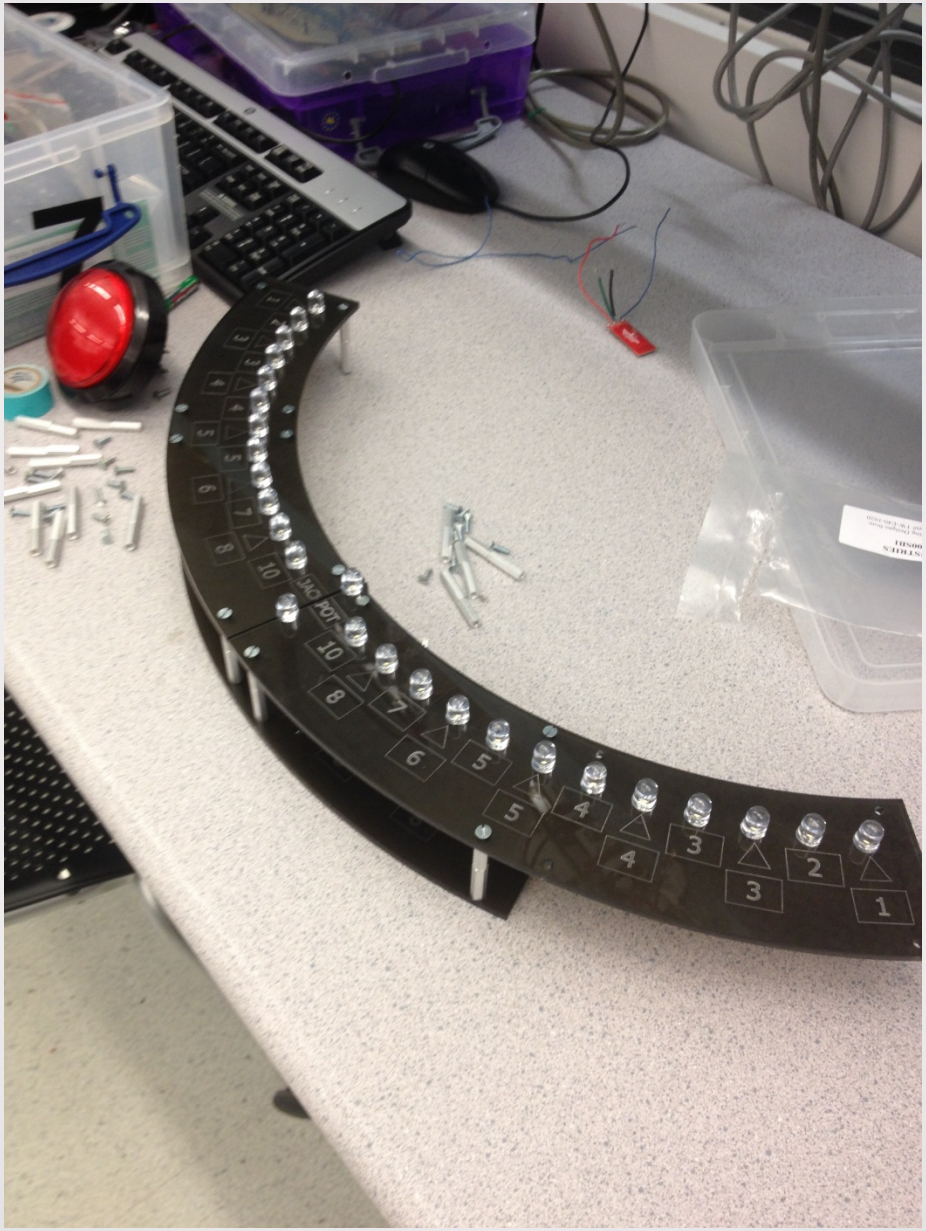
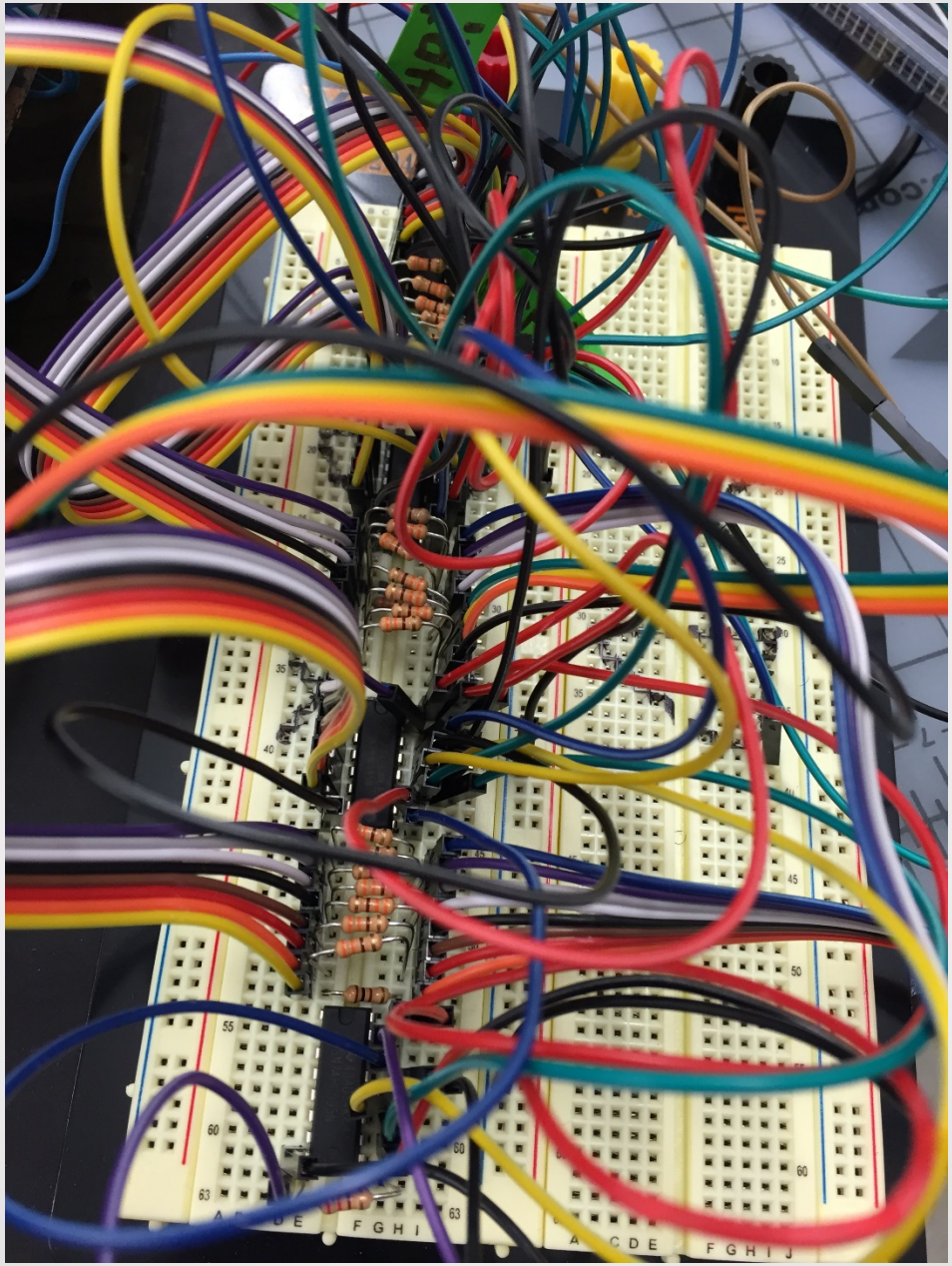
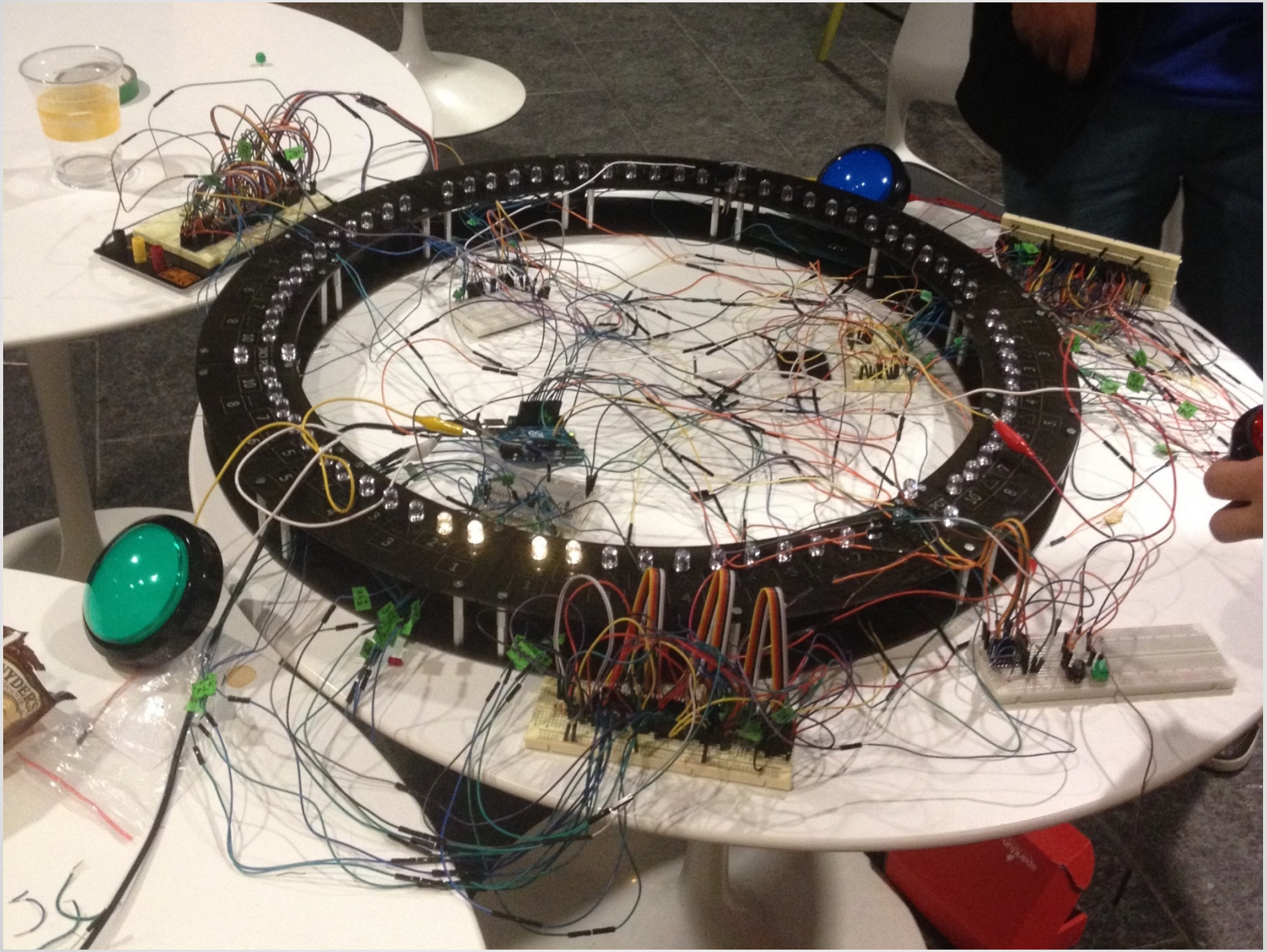
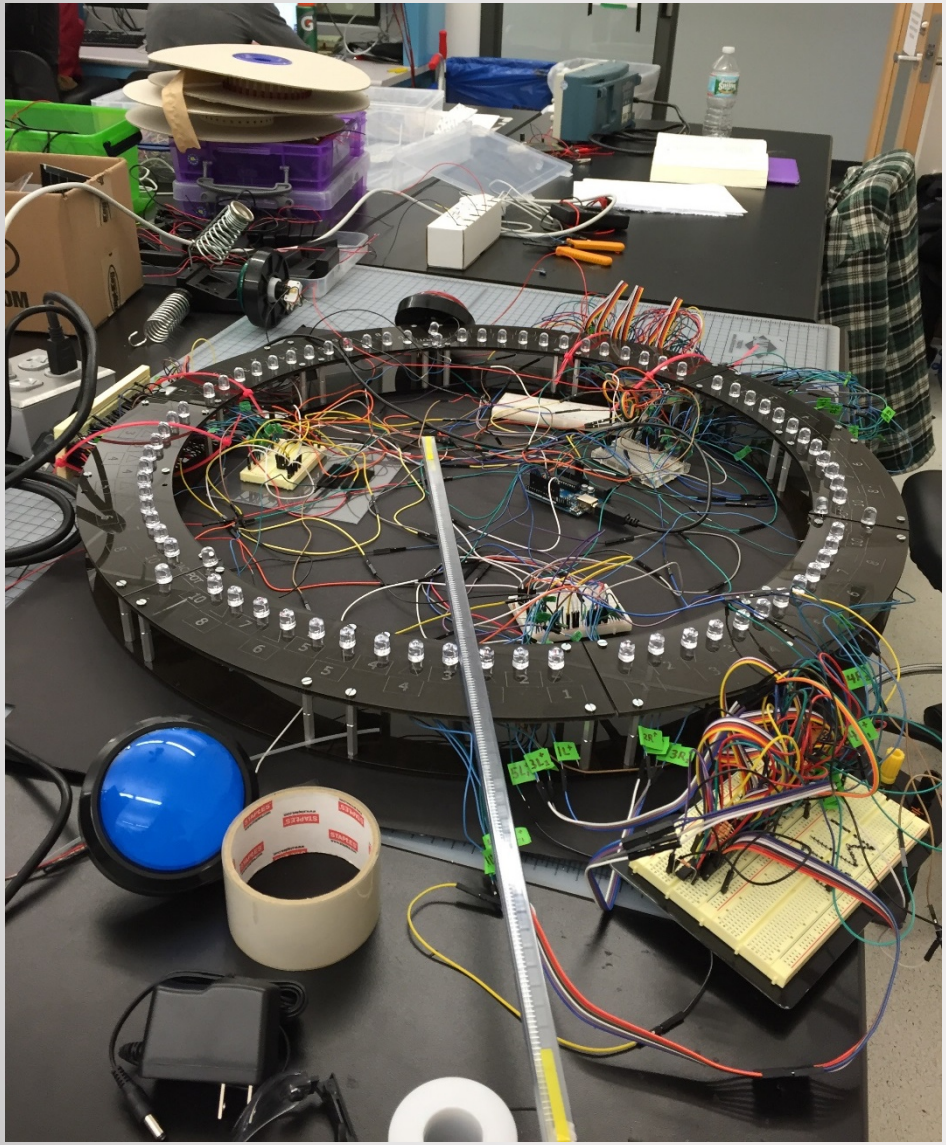
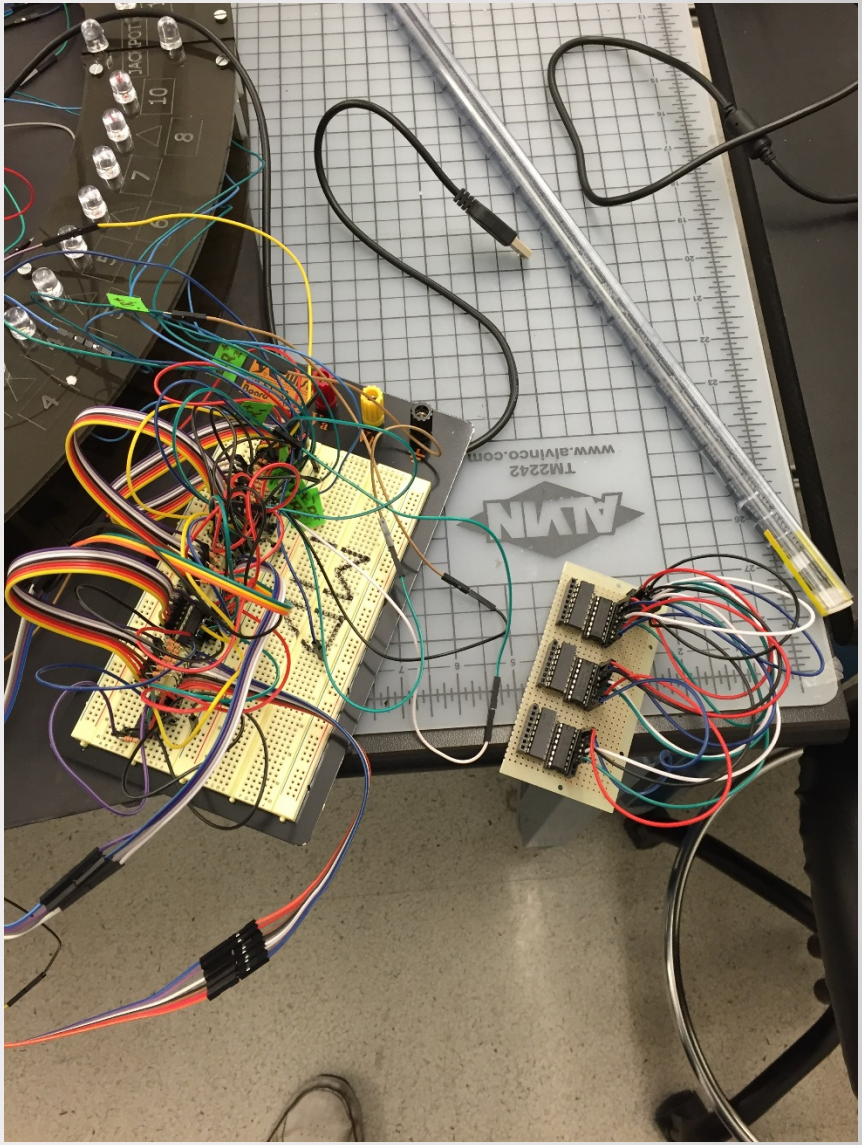

ON POT
1
2
3
4
5
6
7
8
10





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