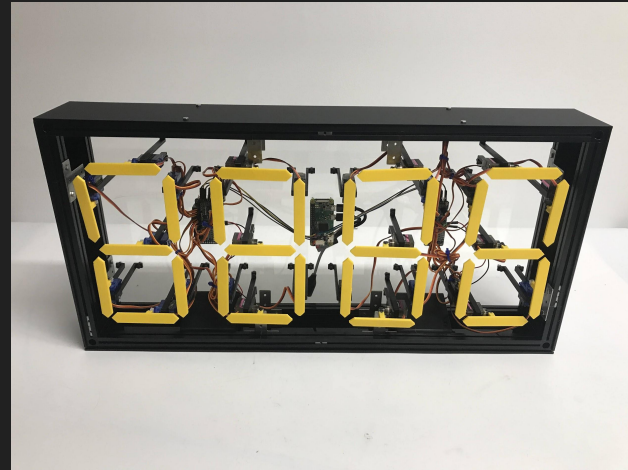
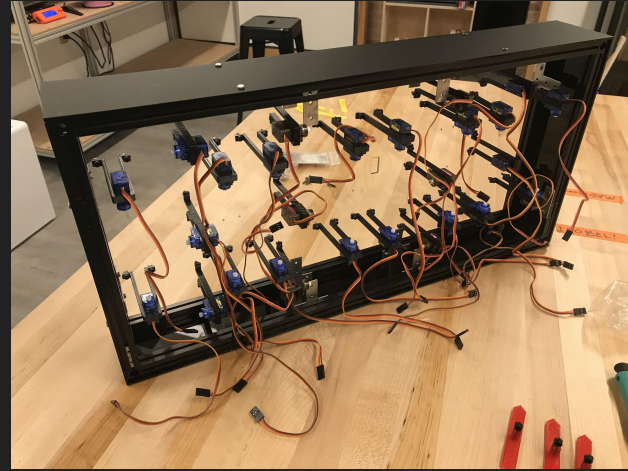
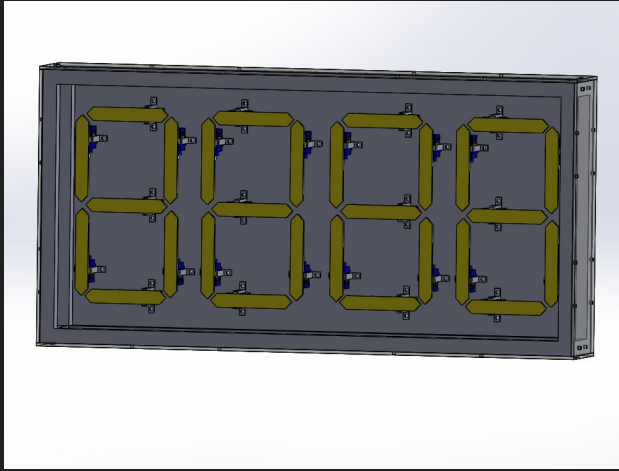


ME-134, Homework 2

James Staley & Jeremy Kanovsky



Implementation Details

Bill of Materials

- 15mm T-Channel Aluminum
- T-Channel Aluminum connectors
- 28x Micro-Gear Motors
- 1x Raspberry Pi Zero W
- 1x 5V 2.5A Power Supply
- 2x PCA9685 Servo Driver
- 2x 6V AA Battery Pack
- 2' x 1' Matte Black Acrylic
- 2' x 1' Clear Acrylic

Coding Implementation

```
ZERO = [1, 1, 1, 0, 1, 1, 1]
ONE = [0, 0, 1, 0, 0, 1, 0]
TWO = [1, 0, 1, 1, 1, 0, 1]
THREE = [1, 0, 1, 1, 0, 1, 1]
FOUR = [0, 1, 1, 1, 0, 1, 0]
FIVE = [1, 1, 0, 1, 0, 1, 1]
SIX = [0, 1, 0, 1, 1, 1, 1]
SEVEN = [1, 0, 1, 0, 0, 1, 0]
EIGHT = [1, 1, 1, 1, 1, 1, 1]
NINE = [1, 1, 1, 1, 0, 1, 0]
```

```
  _0_
|   |
|   |
1     2
|_3_|
|   |
4     5
|_6_|
```