

A decorative graphic on the left side of the slide consisting of two overlapping trapezoidal shapes. The front shape is blue and the back shape is light green. Both shapes are oriented diagonally, with their top-left corners pointing towards the top-left of the slide and their bottom-right corners pointing towards the bottom-right.

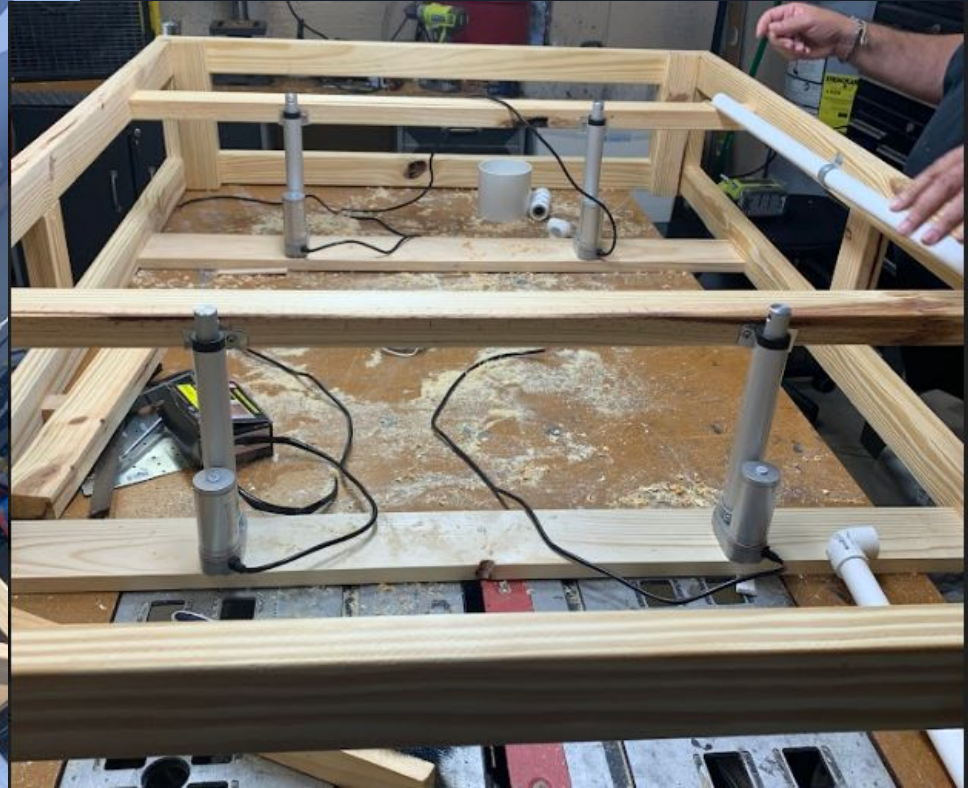
PUTR

All in one putting system

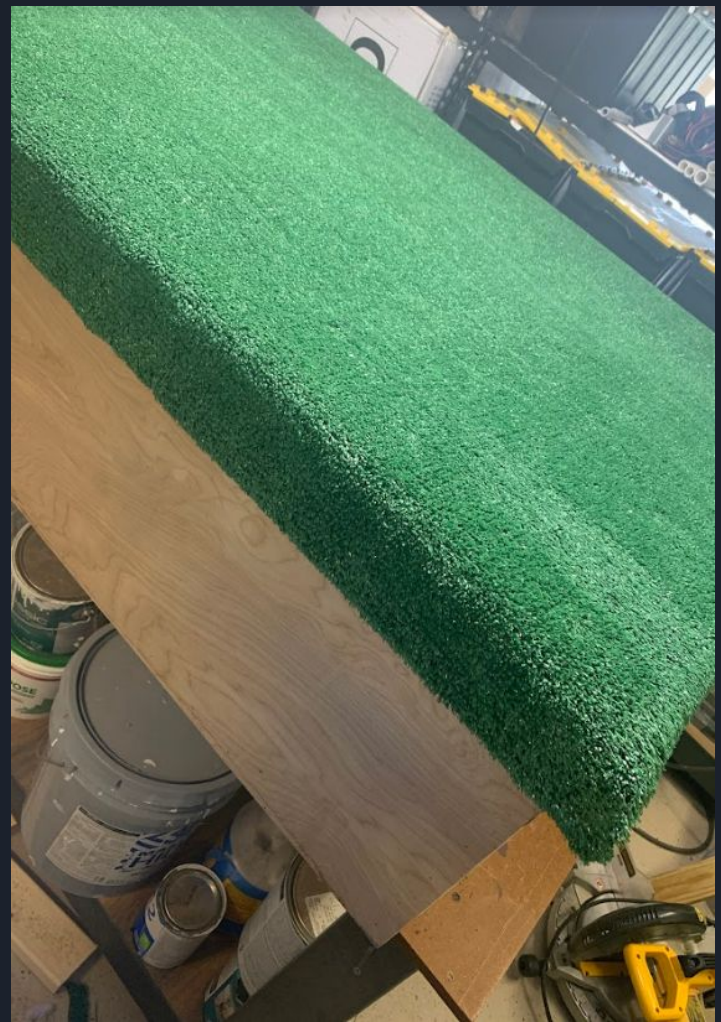
Group 16

Dylan Reuter
Ryan Pham
Austin Collins
Dominic Dicaterino

Playing Surface and Framing Build

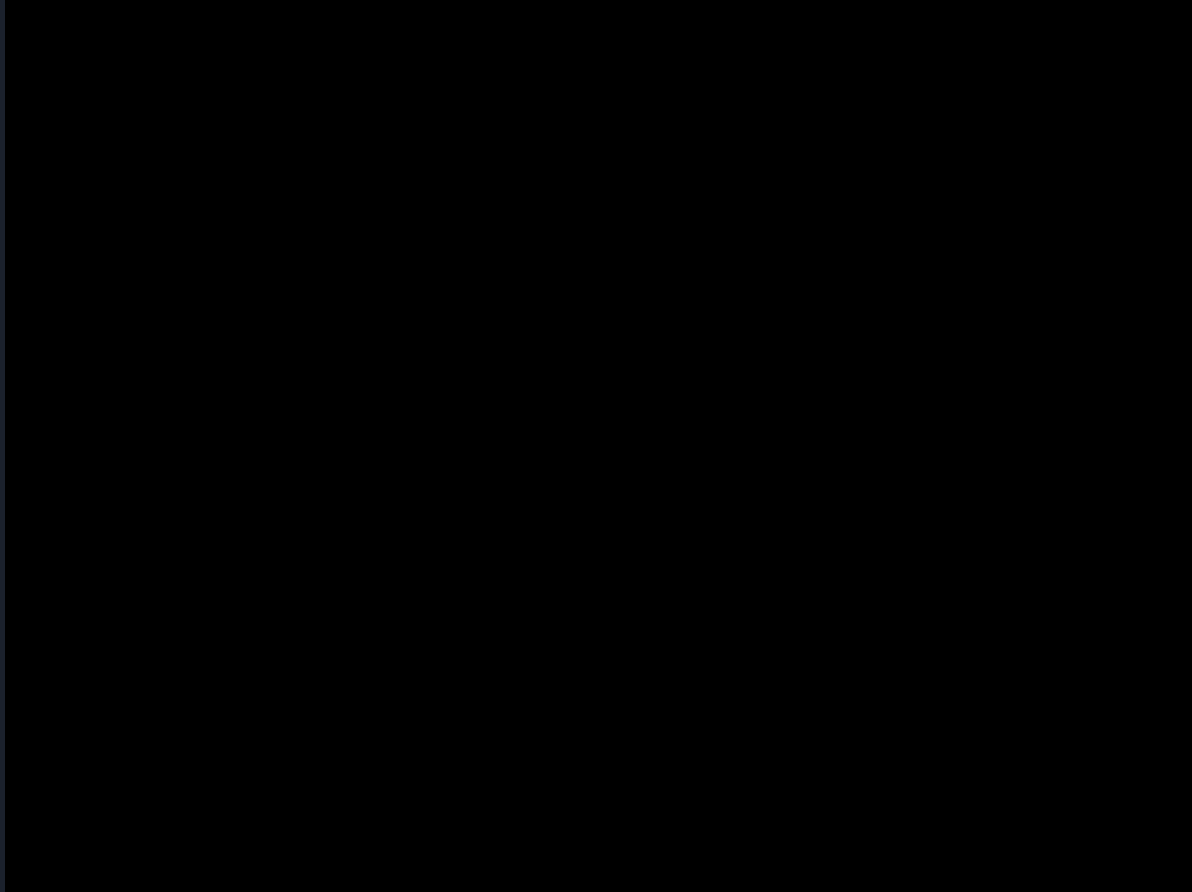






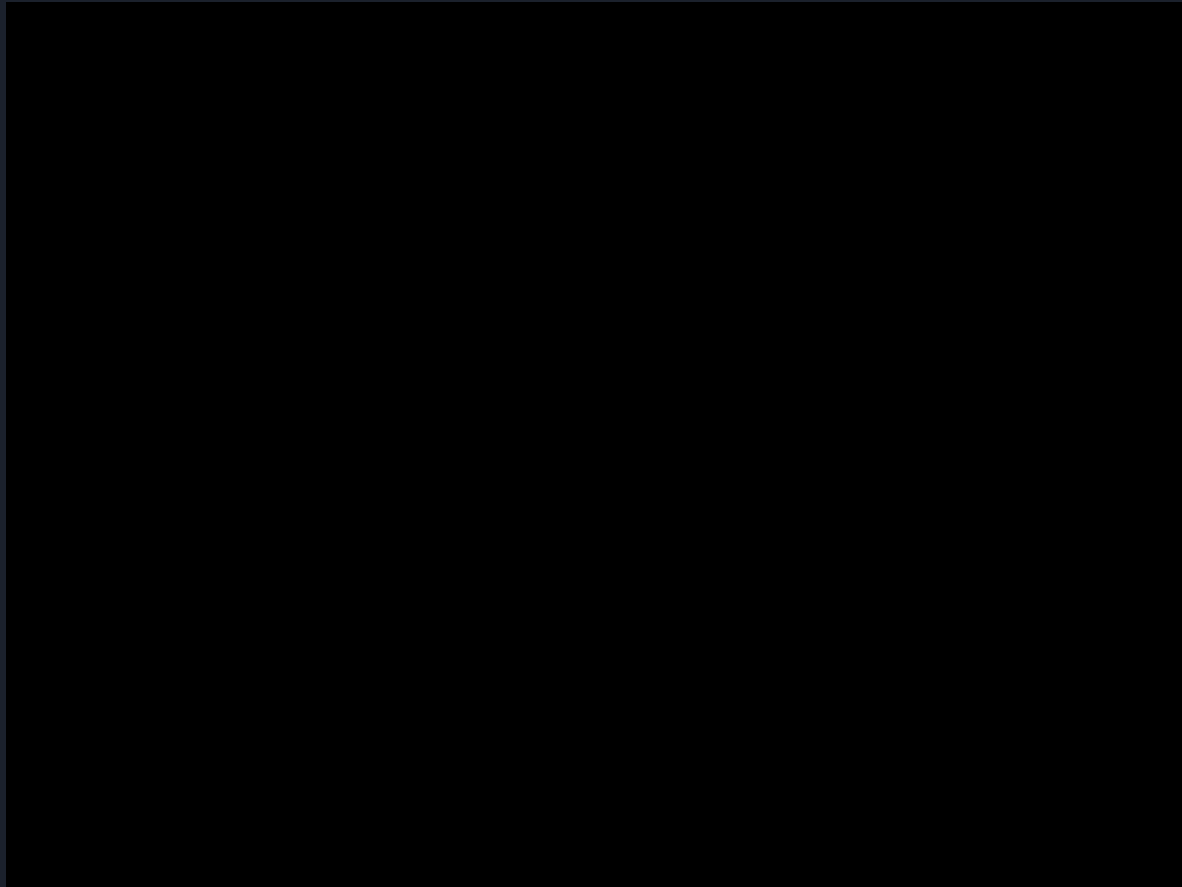


Actuator demo





Actuator demo



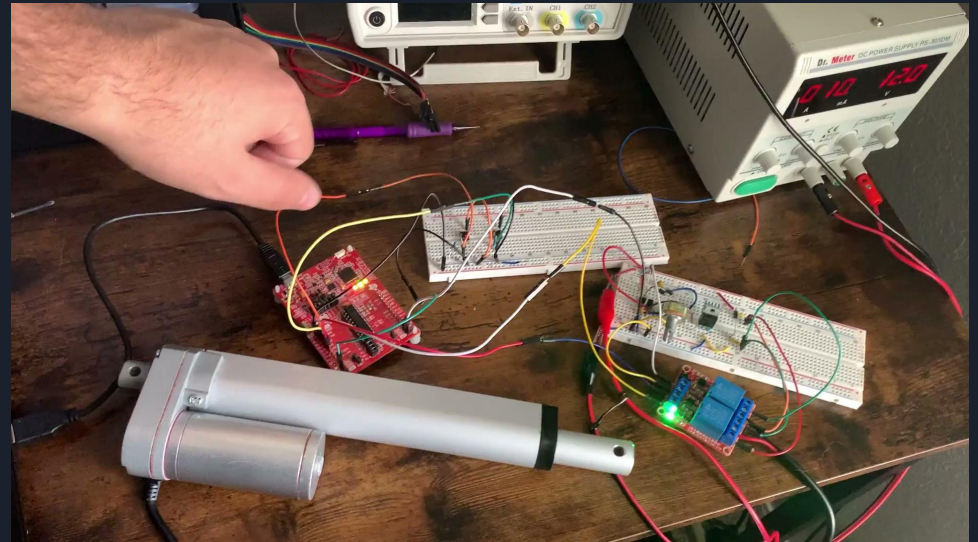
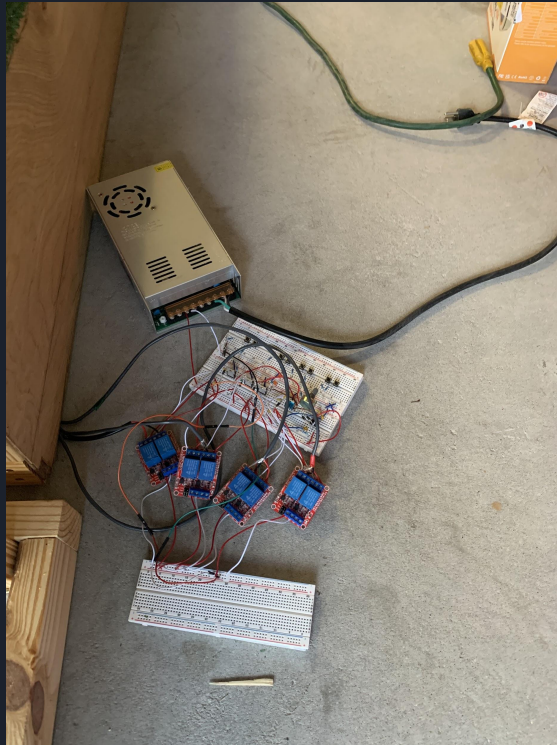


Actuator demo

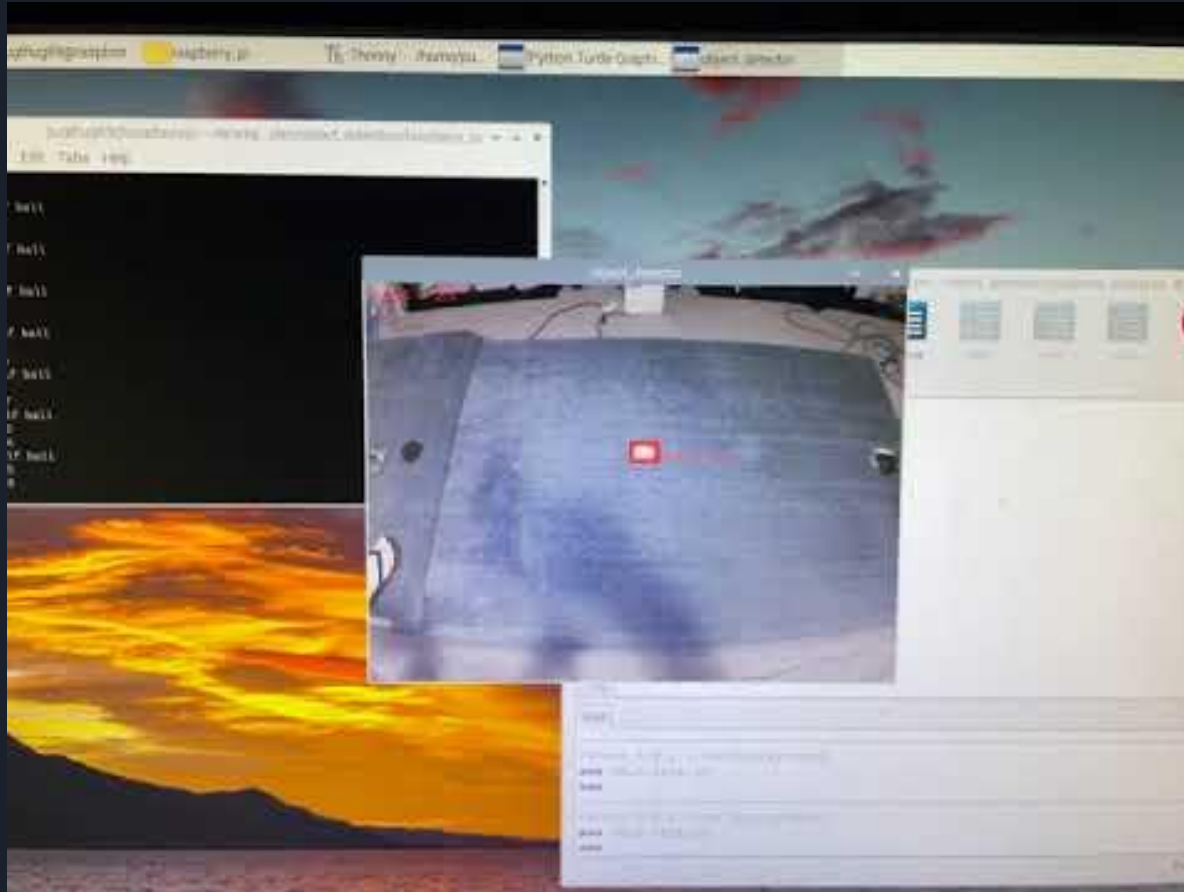




Electronics Progress



PUTR Ball Detection



Path Projection



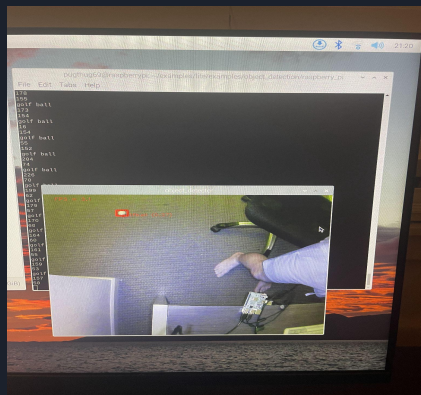
Trying to improve object detection

Model 1

Avg Accuracy: 45%

Trade off in performance vs. accuracy

Took performance

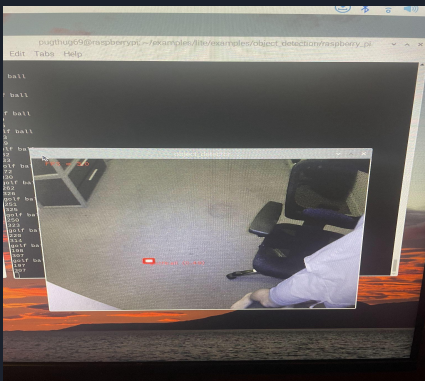


Model 2

Avg Accuracy: 60%

Trade off in performance vs. accuracy

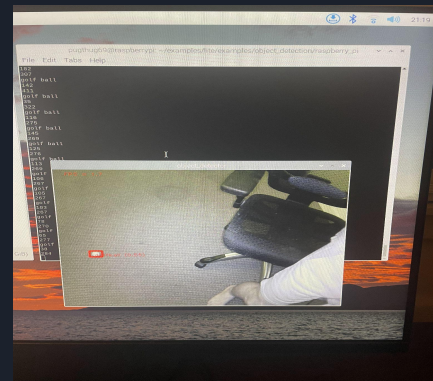
Took accuracy



Model 3

Avg Accuracy: 30%

*Trained on very limited data in hopes of high accuracy on golf greens





Mobile App Progress





Specifications Update

- Budget: Currently around \$422 total cost so \$22 over budget
- Dimensions: changed to 46 inches wide and 70 inches long. A movable platform was added, making the total length 8 feet long
- Weight: Due to wood being chosen for frame, we are over the weight limit of 100 lbs and closer to 200-300 pounds
- Power: achieved as the unit is run on a wall outlet
- Controls: in progress as physical buttons were tested and the bluetooth is in progress

PUTR Dimensions



Supports User Weight





Whats Next

- The mobile app and bluetooth configuration needs to be finished.
- Once PCB arrives the breadboard will be swapped out for our new boards
- Improvements to Detection
- The Line Projection needs to still be implemented