

November 18, 2022

building

focus:

Sautering the limit swktc

summary:

we removed gearboxes from the arm motor to make it go faster

challenges:

next steps:

focus:

Sautering the limit switch

summary:

We sautered the wires onto the limit switches

challenges:

Existence is pain

next steps:

Switch the blue and white wires to the top place, and attach the other wires

coding

focus:

Auton strategies

summary:

Developed a list of strategies for autonomous depending on points. Decided on capping the high junction and parking in alliance terminal. Possible signal sleeve? Wrote auton pseudocode

challenges:

Prioritizing signal sleeve/arm?

next steps:

Refer to last year's auton to draft auton. Leave space for OpenCV in auton

focus:

Limit switches

summary:

Coded top limit switch (not attached to robot yet)

challenges:

Not many challenges, just took time to figure out

next steps:

Code bottom limit switch and install on robot

focus:

OpenCV

summary:

Implemented all necessary gradle things for opencv and added two example/base codes into the opencv branch. I edited the name in last year's code from ball/bez/cube to zone1/zone2/zone3.

challenges:

There were many challenges with syncing gradle and finding appropriate example codes.

next steps:

Need to make sure opencv file is in the 3rd control hub. Make a config for 3rd CH that only has webcam. Test webcam values with the sleeve and adjust threshold. Implement OpenCv into an auton.