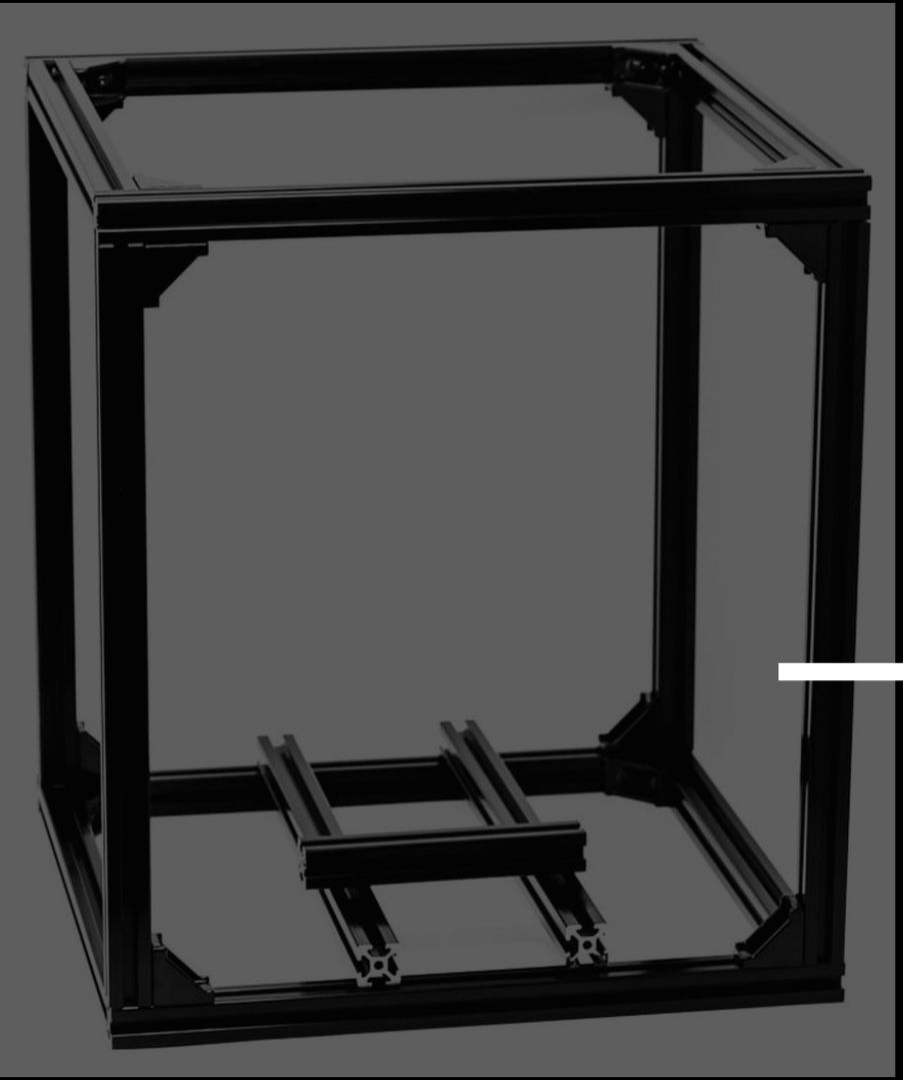

CORBIN DREY'S
ENDER 3 PRO
BUILD



My Original plan

Originally I wanted to build the Hyper Cube from scratch, this mean that I would have to source all the parts on my own. However during COVID-19 this would become more difficult, many of the parts I wanted would take far too long to come, or be over priced, or worse completely unavailable.

Due to the difficulty acquiring parts, I decided to get the Ender 3 Pro, the main reason I chose this one because it was relatively available while also having a massive modding community.

Here are the parts constructed that came in the Ender 3 kit. The bed was pre assembled, there were a few aluminum extrudes, the power supply, the computer/info screen, and of course some tools

STRUGGLE 1

One issue I noticed while building was aligning the roller brackets to fit just right with the build plate

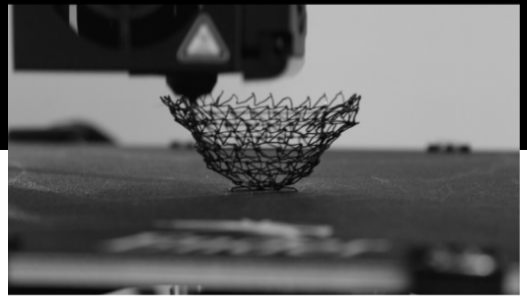
STRUGGLE 2

When first testing the printer I accidentally had the bed too high which caused the bed to be damaged, however llater replaced it with a superior glass bed

Here are some finished parts I printed

CAT

This cat was one of the test prints that came on the micro SD that came with the printer, i thought it would be a good test that is unique to the Ender 3.



WIRE PRINTING

On the Cuts software there is an experimental fester called wire printing, i thought it would be a good way to test the mettle of the Ender 3.

SLIM WALLET

I found this cool slim wallet on thingiverse, I like the idea so I printed it, it's very useful, but I might design my own version with better mechanics.

What I plan to do in the future

MOSTLY MODDING

The Ender 3 has a massive online community of modders, the stock ender is a fantastic printer, but with extra modifications it can be even better, i already printed some drag chains for the cables in the back, and a new glass bed, i plan to even replace the nozzle and extruder to print different materials like carbon fiber or flexible filaments.

Thank you for watching