

Notebook CSE u83

Important Deadlines:

10/15: Finalize handle cad design

10/22: Complete sensor mounting for our stick.

September 24, 2024 (Tuesday)

Working on finalizing handle design.

September 26, 2024 (Thursday)

Working on finalizing handle design.

October 1, 2024 (Tuesday)

On this day, I was finalizing the design of the handle as there were a few small changes which were needed

October 3, 2024 (Thursday)

On this day we were looking into the 3d Printed handle as a team, and I got insight on what changes we need to make. This allowed me to make next steps for the handle. We then chose to move the battery holder, and the power button, and the raspberry.

October 8, 2024 (Tuesday)

Working on design for the sensor mount for the stick, we also ordered the angle mount for the stick, and this allow us to get started on that design. We also finalized the power chip CAD Holder and, we worked on figuring out how to make our design more accessible via USB C.

October 10, 2024 (Thursday)

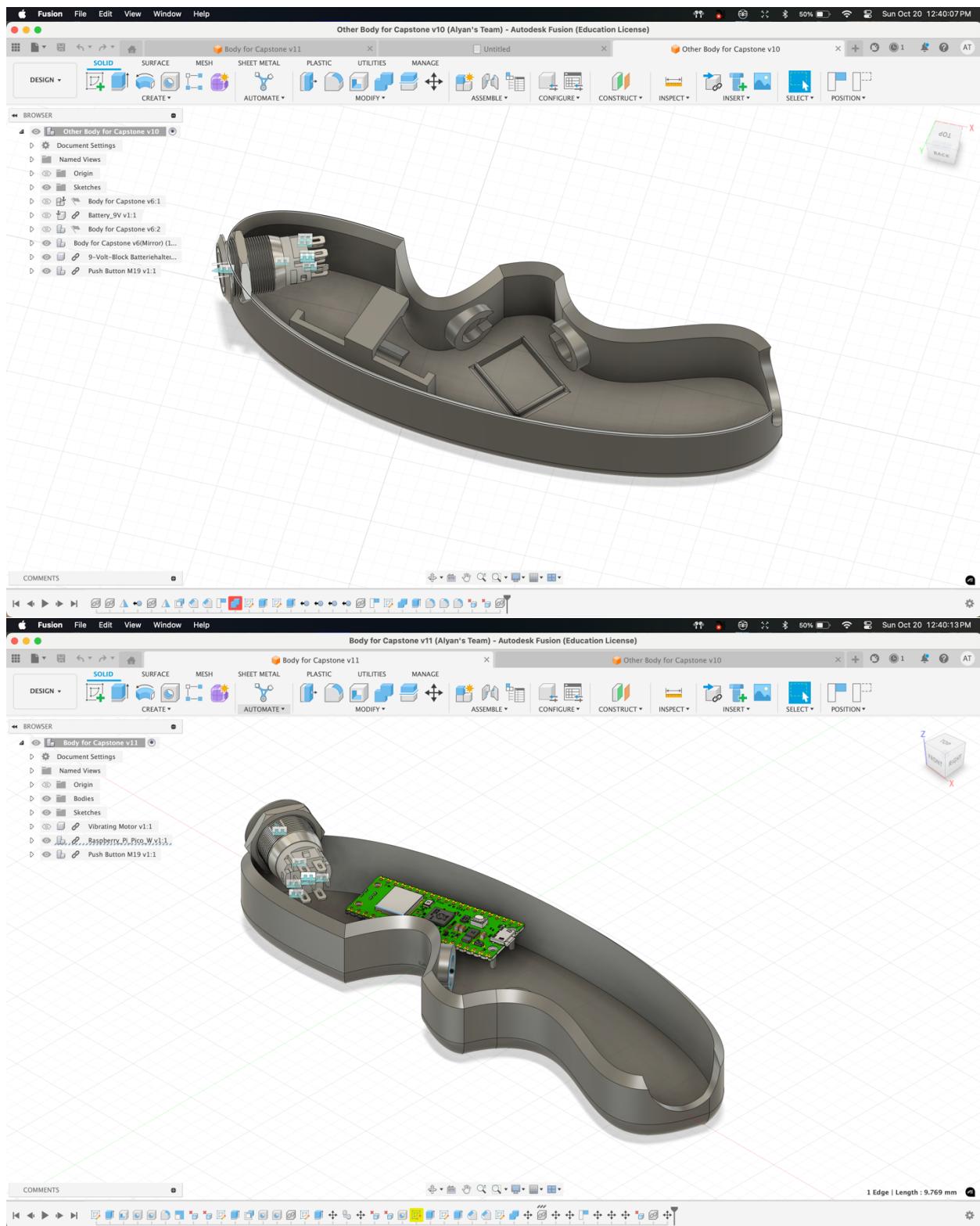
During this class we worked on demoing the lidar sensor within the hardware team and also, I got rid of the grip of the walking stick and we got to see what our final design may look like. Also gave us insight on what we need to do to connect the stick into the handle.

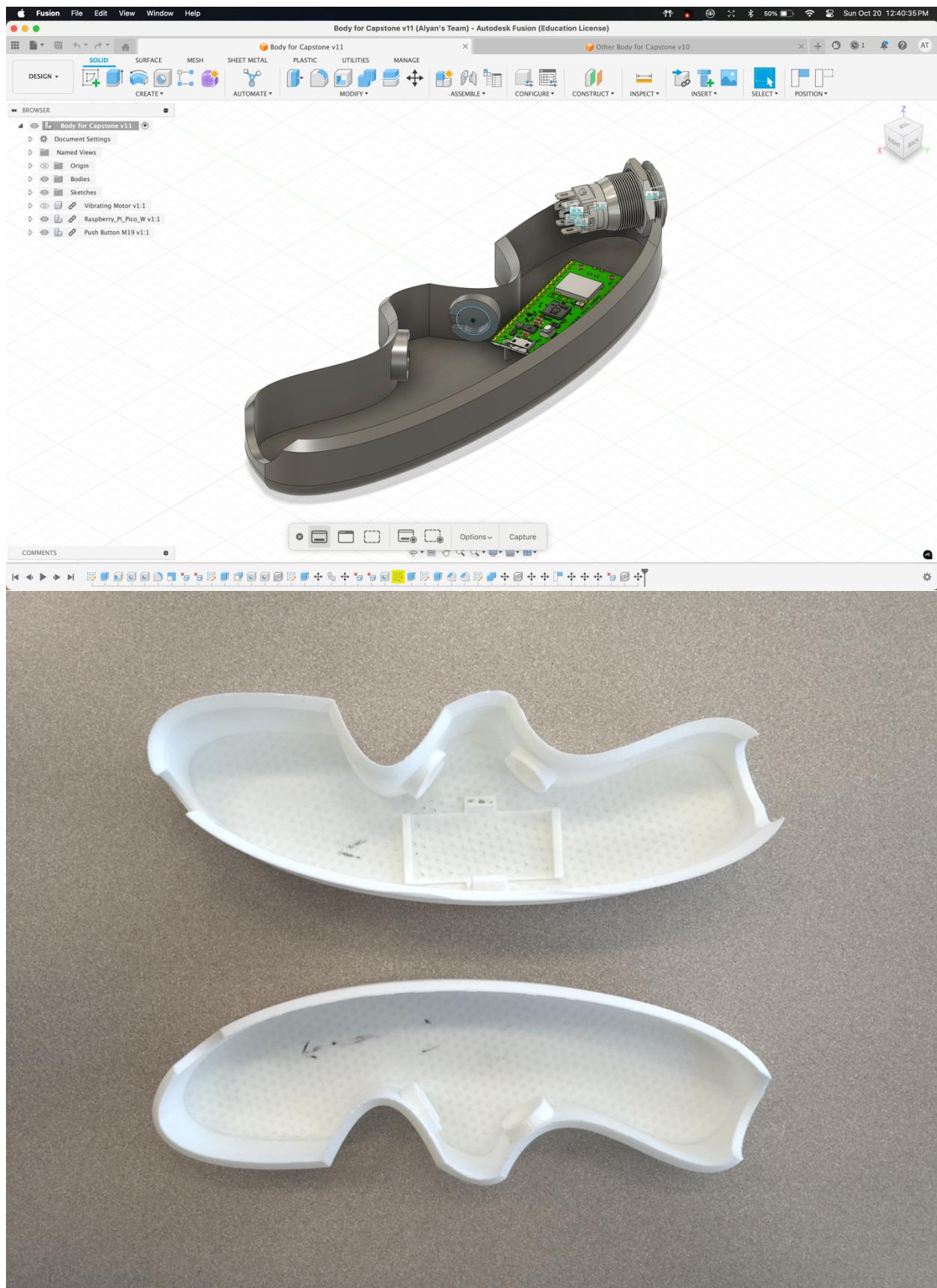
October 15, 2024 (Tuesday)

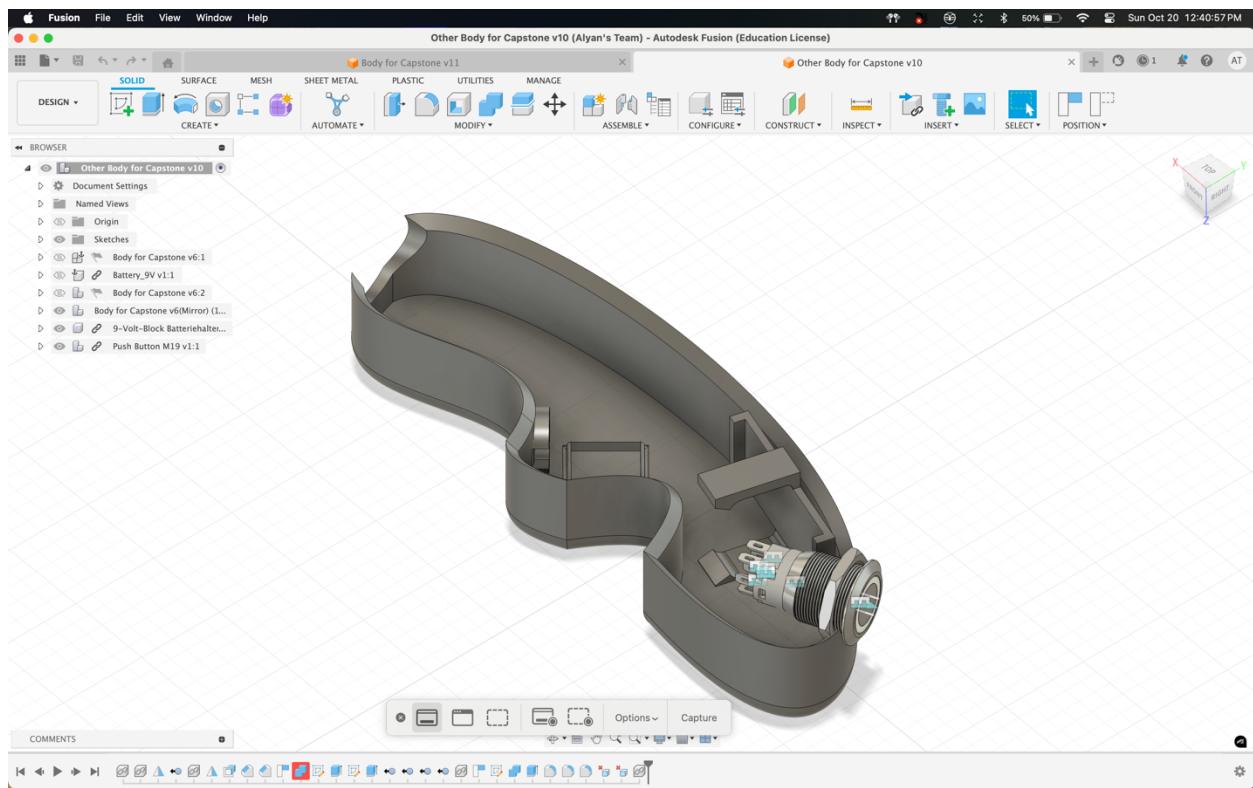
Working on CDR Report and putting together all the logistics and design insides into the document for the cad modeling.

October 17, 2024 (Thursday)

Working on CDR Report and Cad Image Labeling – I also worked on creating slides on the PowerPoint for the CAD Design and also worked on presenting the PowerPoint before the class. Most of the labeling the cad is within the power point



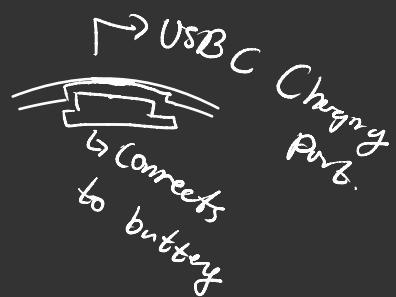
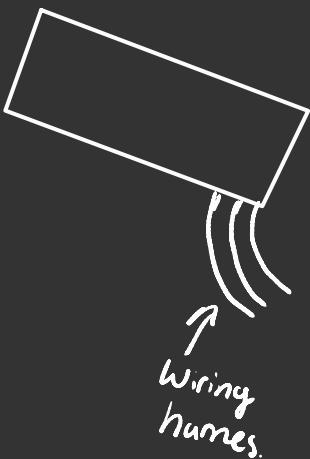
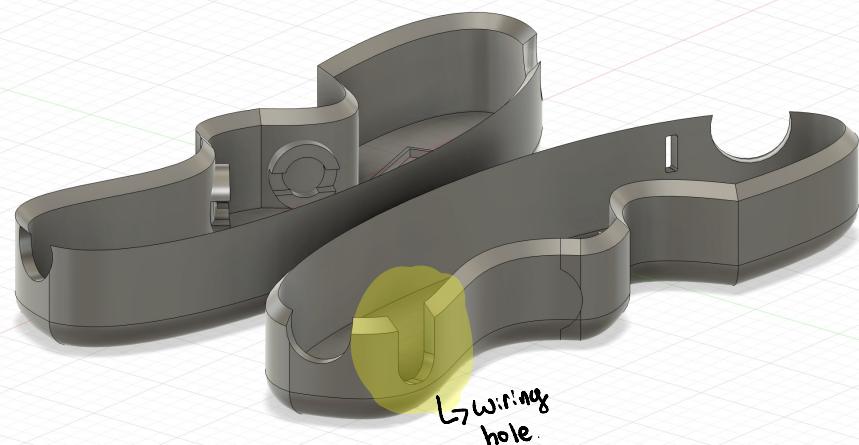
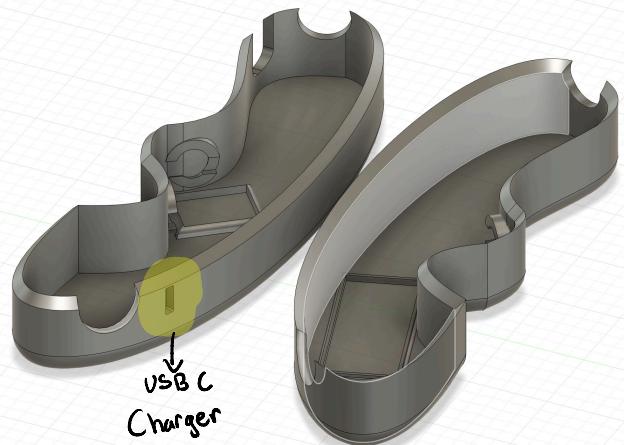


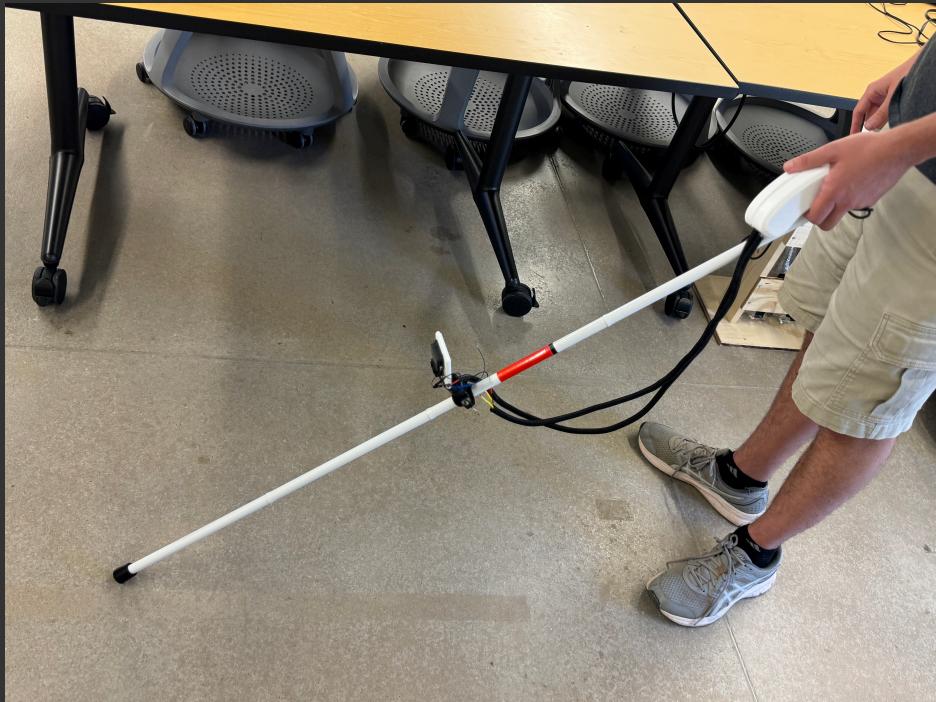
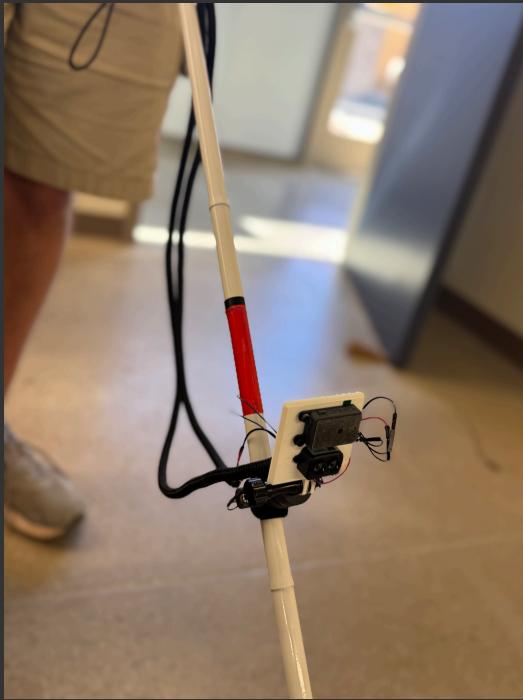


October 22, 2024 (Tuesday)

CDR Presentation in class and sensor mount discussion.

Below is the updated design

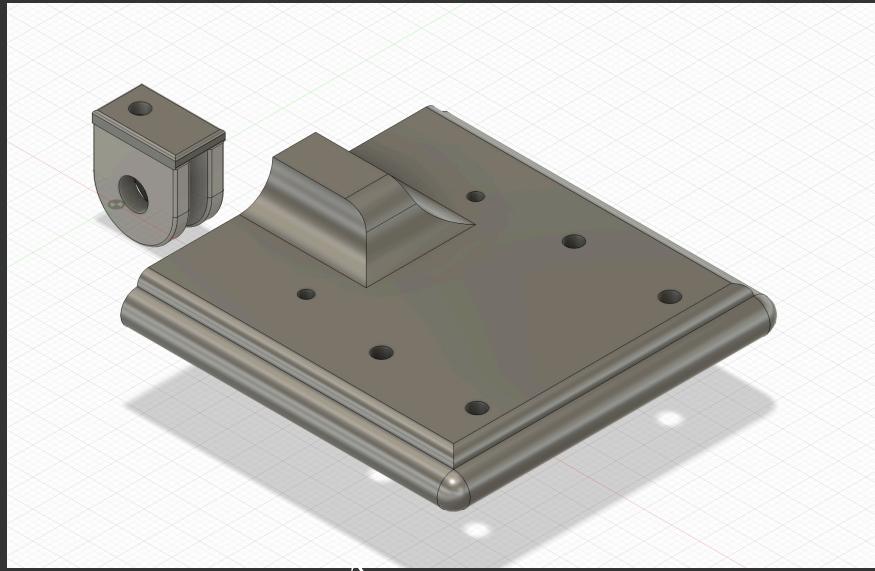




↳ Finalized Prototype w/ All CAD's



Final



PT1

Sensor Mount

↳ went from these parts being connected by hand to machining onto full body