

## Team Meeting 1/22/18

**Purpose:** Inventory materials on hand, discuss any issues in designing, and start writing g-code for machined parts.

**Attendees:** Ethan Michel, Azalea Grant, Brandon Begay, Hannah Rentschler.

**Meeting Time:** 2:30-4:00pm

**Minutes Recorder:** Hannah

Took inventory of our supplies. We have aluminum sheet metal,  $\frac{1}{4}$  in aluminum plate stock, a stainless steel bar, Velcro straps, a 2in square block of aluminum, and an aluminum beam. This is all the material we need to machine the CAD parts.

We need to obtain bearings, fasteners, shafts, and a pulley. Brandon and Hannah looked up the needed parts and created a list of parts to order.

Azalea updated the team on the tension sensor attachment. The tension sensor is rather large which means it may only work for large severity angles.

Hannah updated the team on a few changes that had been made to the lever arm lengths and discussed what pulley size would be used at the calf cuff.

Brandon has nearly completed the potentiometer and torque sensor mounts. The torque sensor is very large but should be able to be attached for testing purposes.

Ethan updated the team on the results of the structural analysis of the arm. Lever arms  $\frac{1}{4}$  in by  $\frac{1}{4}$  in will not bend under normal weight except for at angles above 30 degrees.

The team is aiming to meet with Dr. Lerner on Wednesday to bring him up to speed on the design.