

Robotic Ankle Exoskeleton

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Questions Looking to be solved

- How will our complete design mesh together and will there need to be any changes to tolerances
- Will our chain to pulley system work as designed or will we need to make changes

1. Our complete Model



Things we Learned

- Difficultly with attaching the motor to the motor bracket cause of the small clearance
- Tolerance adjustments for bearings holes, because some caused difficulty with the hole being too small or too large
- The team needs to adjust the holes on our rod to be better accommodating for our chain and pulley

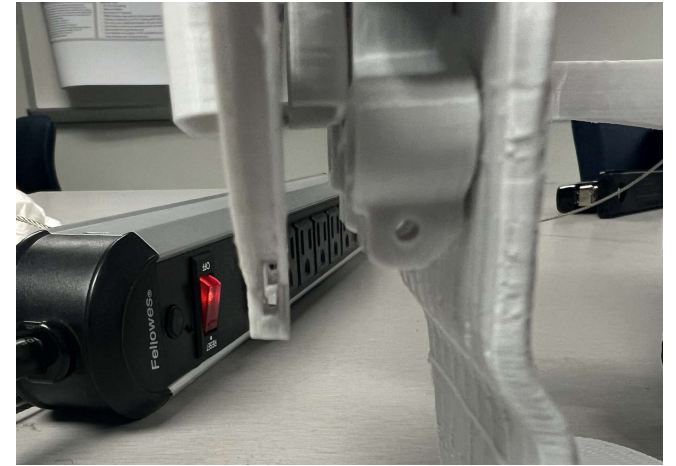


2. Chain to pulley system



Things we learned

- Need to adjust the size of our pulley to make it easier to thread our pulley
- Need to remove links in our chain to help reduce unnecessary weight
- Find a way to decrease fraying when cutting the wire
- Need to adjust the support on the bracket, interferes with chain/cable system and the holes in our rod



Any Questions?



Thank you

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