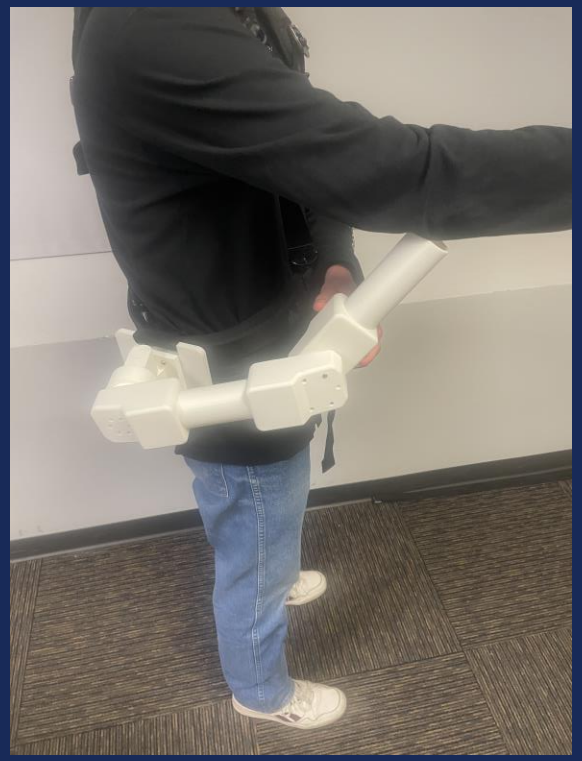
Robotic Arm



Cole Pace, Caleb Lamca, Kaitlyn Davis Joel Gisleskog, and Colin Donnellan

NAU NORTHERN ARIZONA UNIVERSITY

Attachment Prototype

- Question Wanted to answer: How can the arm be attached to rig that does not interfere with how the arm rests by the side
- Method: 3-D Printing parts as well as buying a "strap" to connect to the belt
- Answer: Yes, it can.
- Future Iterations: Improve the "strap" as well as make it easier to adjust the location it can rest.

Item	Cost
3kg PLA Filament	$35.99
Belt	$18.56
Screws	$8.62
Total	$63.17

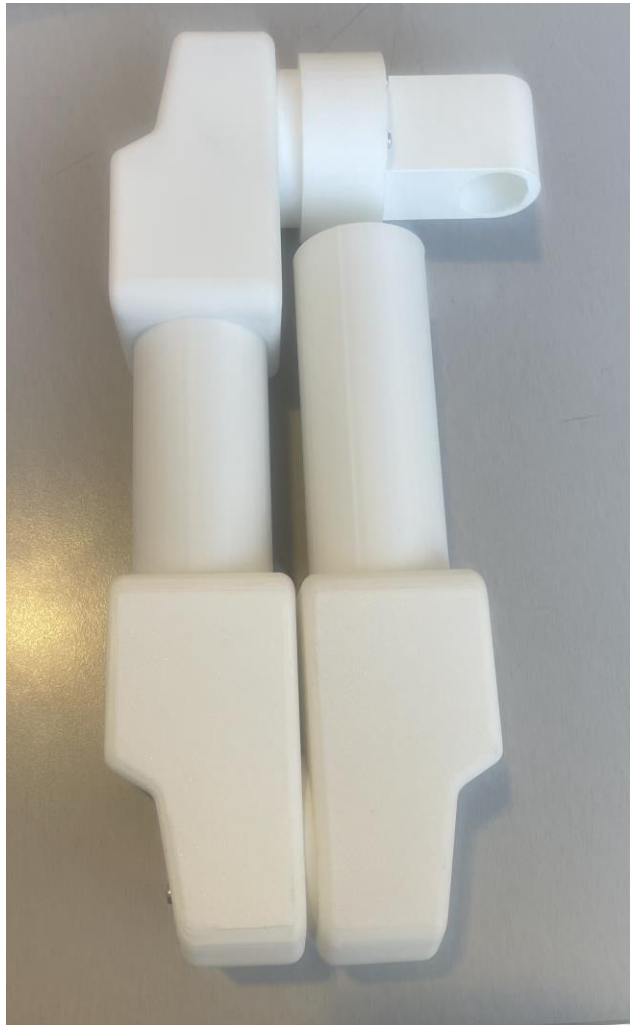
Attachment Prototype

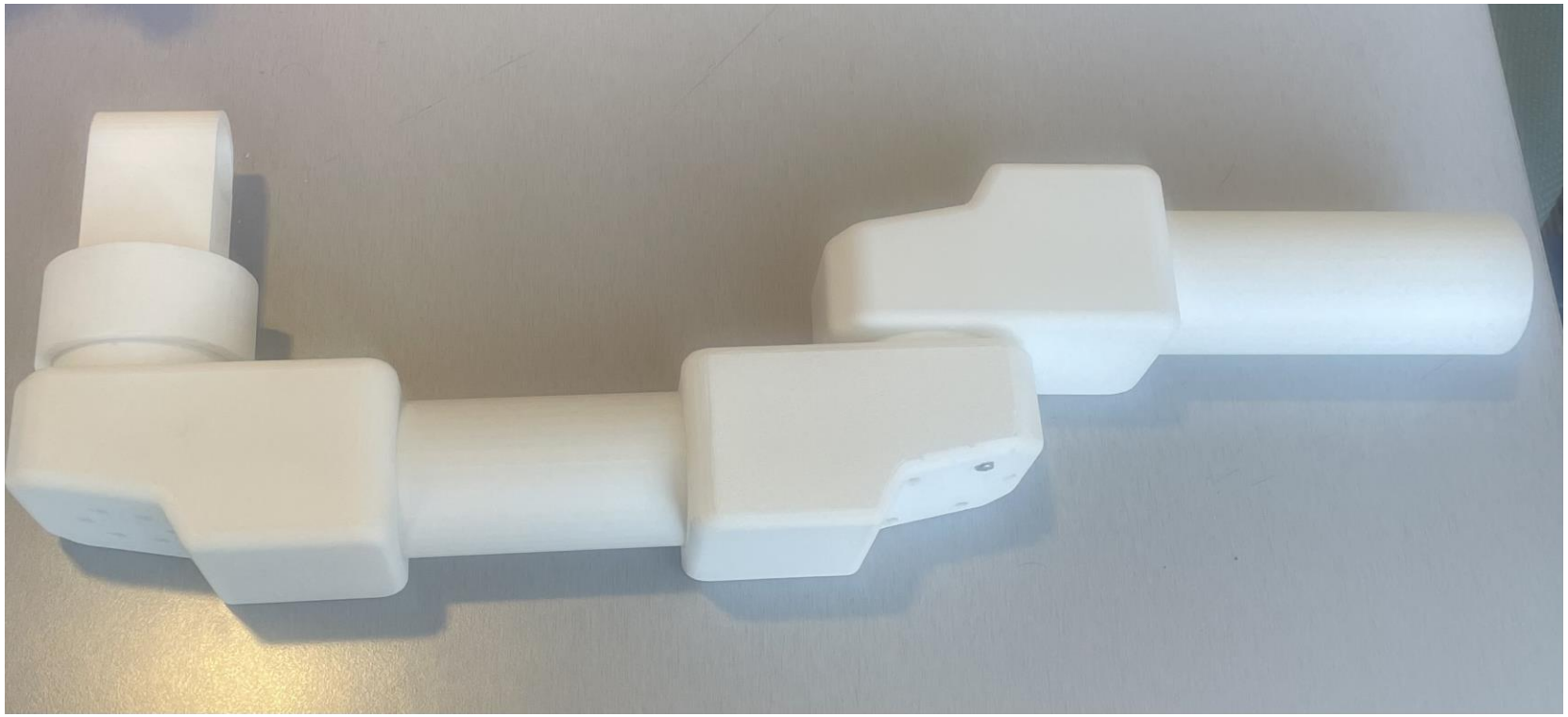
Redesigned Arm with New Motor Mounts

- Question Wanted to answer: With the new motor mounts can the arm follow the movement of the user's arm and does it rest comfortably against the user's side.
- Method: 3-D printing parts and assembling them.

Item	Cost
3kg PLA Filament	$35.99
22 M-3X50mm Screws	$16.50
Total	$52.49

Redesigned Arm with New Motor Mounts





Redesigned Arm with New Motor Mount

- Answer: Yes, the arm can now follow the user. Yes, the arm can now rest comfortably.
- Future Iterations: Add a connection to elbow to complete the design. Possibly add a bayonet mount to easily adjust the links. Add all the electronic parts so that the arm can be actuated.

Thank you
And
Any Questions?

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