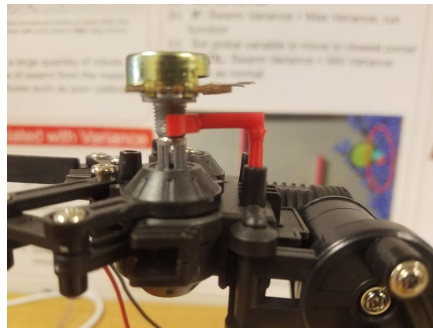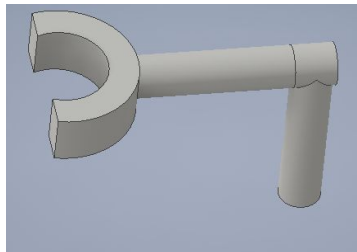## Progress Report

1. Goal from last week
   - Design a 3D part to hold the potentiometer stationary for motors 2 and 4
     i. Motor 2
     ii. Motor 4
   - Control Motors 2 and 4
   - Finish Robot Arm Simulation
     i. In Rviz
     ii. In Gazebo
2. Accomplishments this week
   - Design 3D part to hold potentiometer stationary for motors 1 and 3
     i. Motor 1 (gripper)



   - Control all motors
   - Start developing User Interface (in progress)
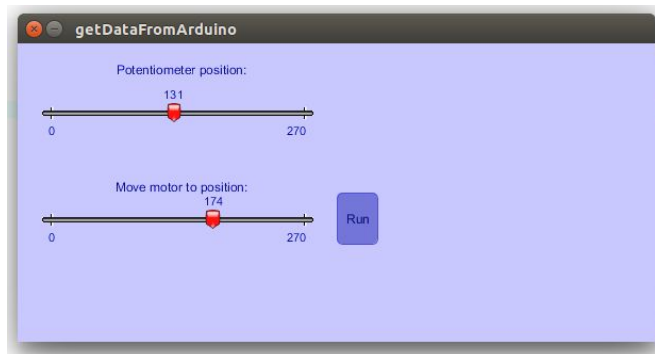


   * I tried to use Mathematica but it was taking me a long time to make it work with the arduino, and I only have 15 days trial. I am using
   [Processing](#)

   - Decreased the number of wires used for the potentiometers
3. Goal for next week

- ○ Finish the User Interface
- ○ Upload material list and how to assemble
- ○ Upload code and instructions
- ○ Save Robot Positions
- ○ Look for small potentiometers for motor 5
- ○ Research on how to control the motors speed.
4. Dr. Becker needs to:
   I need potentiometers for the other robot.