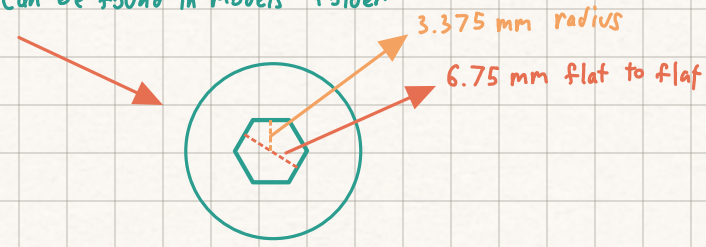
2/20/2025

Objectives: figure out force from servo to adapter output

output end of attachment can be found in models folder

Servo motor: https://www.adafruit.com/product/3614



2.2 Kg-cm is peak torque for this motor

$$\text{force} = \frac{\text{Torque}}{\text{radius}} = \frac{2.2\ \text{Kg}\cdot\text{cm}}{0.3375\ \text{cm}} = 6.52\ \text{Kgf} = 63.96\ \text{N} = 14.38\ \text{lb-f}$$

What was done: figured out peak force output with motor and attachment, motor is weaker than I thought, may need to upgrade