# To Do:

* Choose gearing ratio and operating RPM to fall within motor torque range.
* Jason:
  + Extract required torque profile from solidworks model
* Noah:
  + Get wiring for IMU purchased
  + Prepare Arduino code for IMU and PID control
* Garret
  + Get preliminary cad rolling and cut

Motor Specs:

1.7 kg\*cm = 0.1229ft\*lbs

Calculation for max power from motor being 9.4 W and motor RPM of 1700 geared down to 30 rpm

Graphical user interface, application

Description automatically generated

Max Efficiency Torque Values

Graphical user interface, text, application

Description automatically generated