Status Update:

The first version of the code is complete and works for the most part. We are using a different rangefinder because we were waiting for our Digikey order. I used the HC-SR04 ultrasonic sensor. It doesn't work that great, but it managed for the prototype. Problems that occurred was that the sensor would give random values once it reached a maximum distance and it would randomly set the distance to 0 or 350. The servo motor broke when I attempted to screw in the arm, so I implemented an LED that would light up when the landing gear would be down, and turn off when the gear would be up.

Video: https://www.youtube.com/watch?v=lraqOjlntLk

Picture: