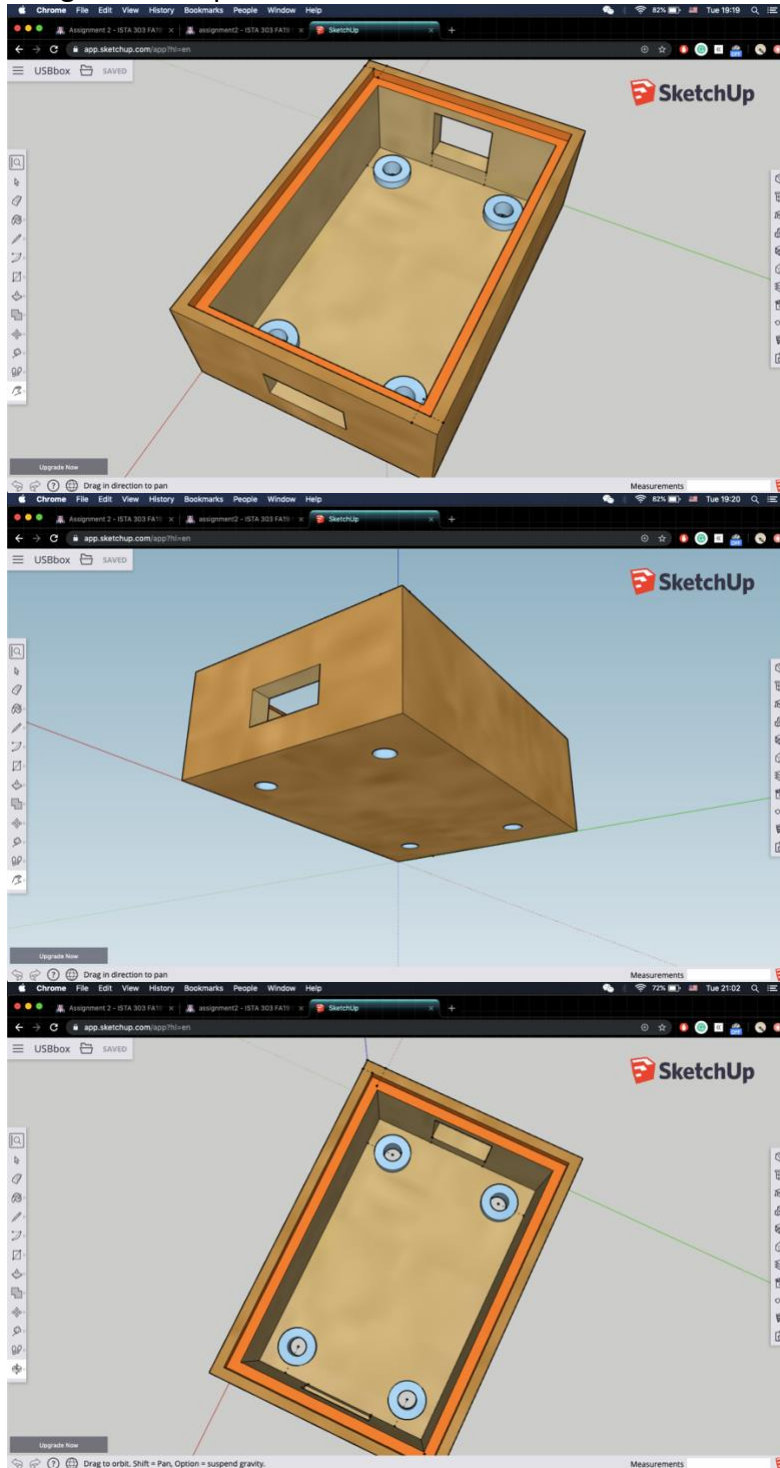


ISTA303: Assignment 2

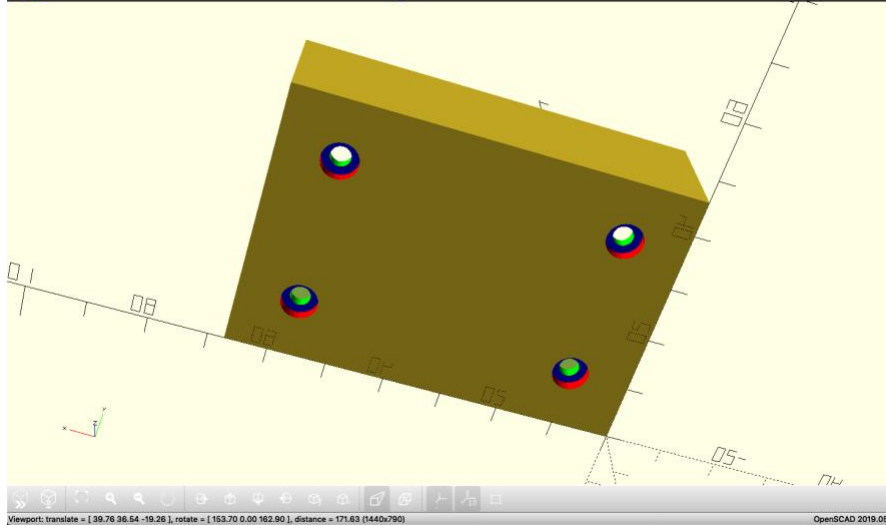
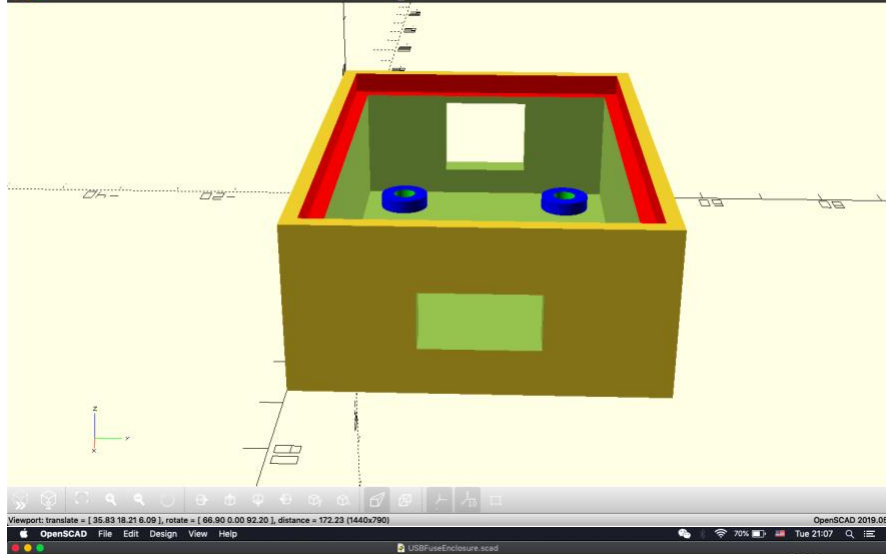
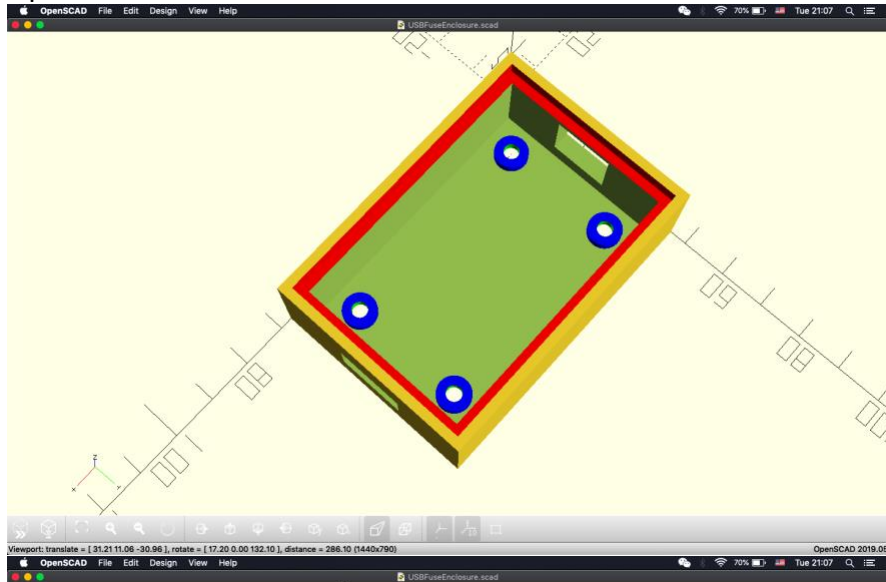
Chaoneng Quan

Part 1

Google SketchUp

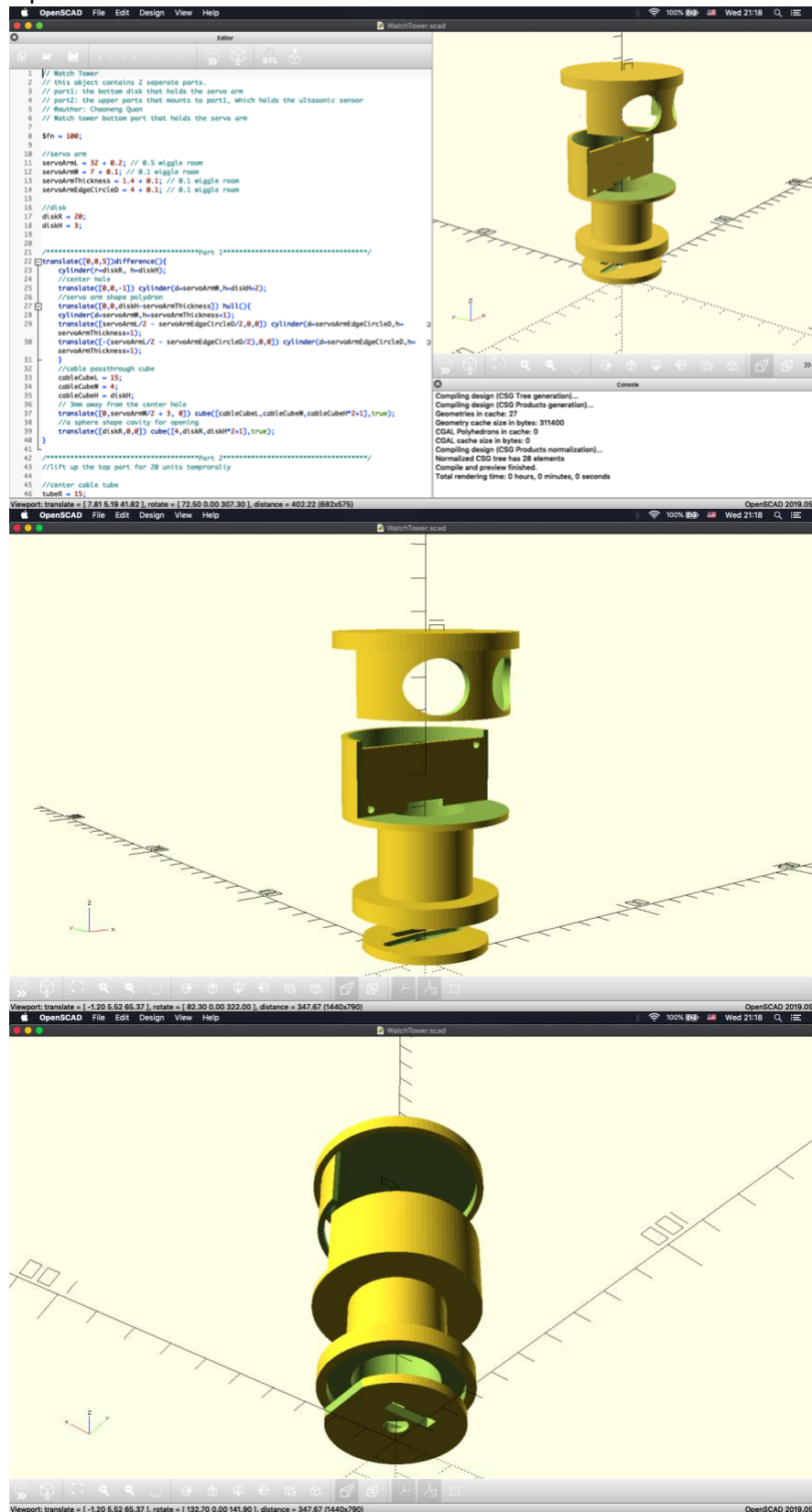


OpenSCAD

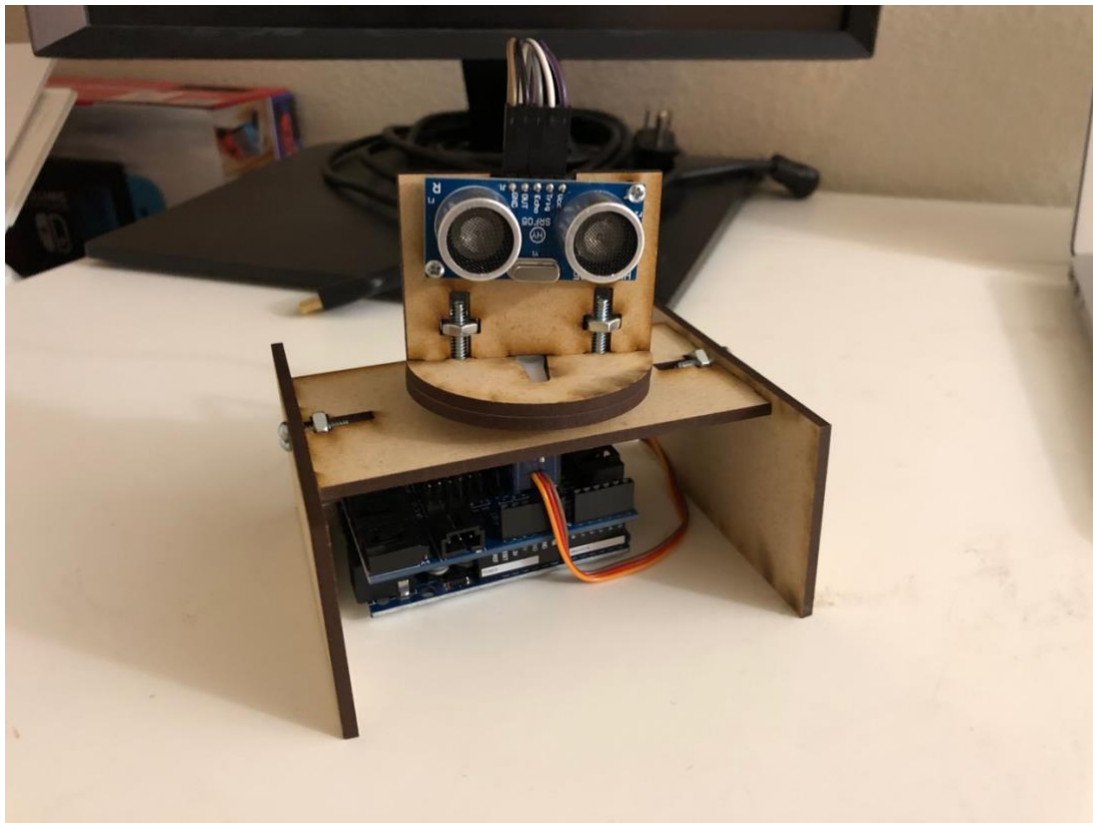
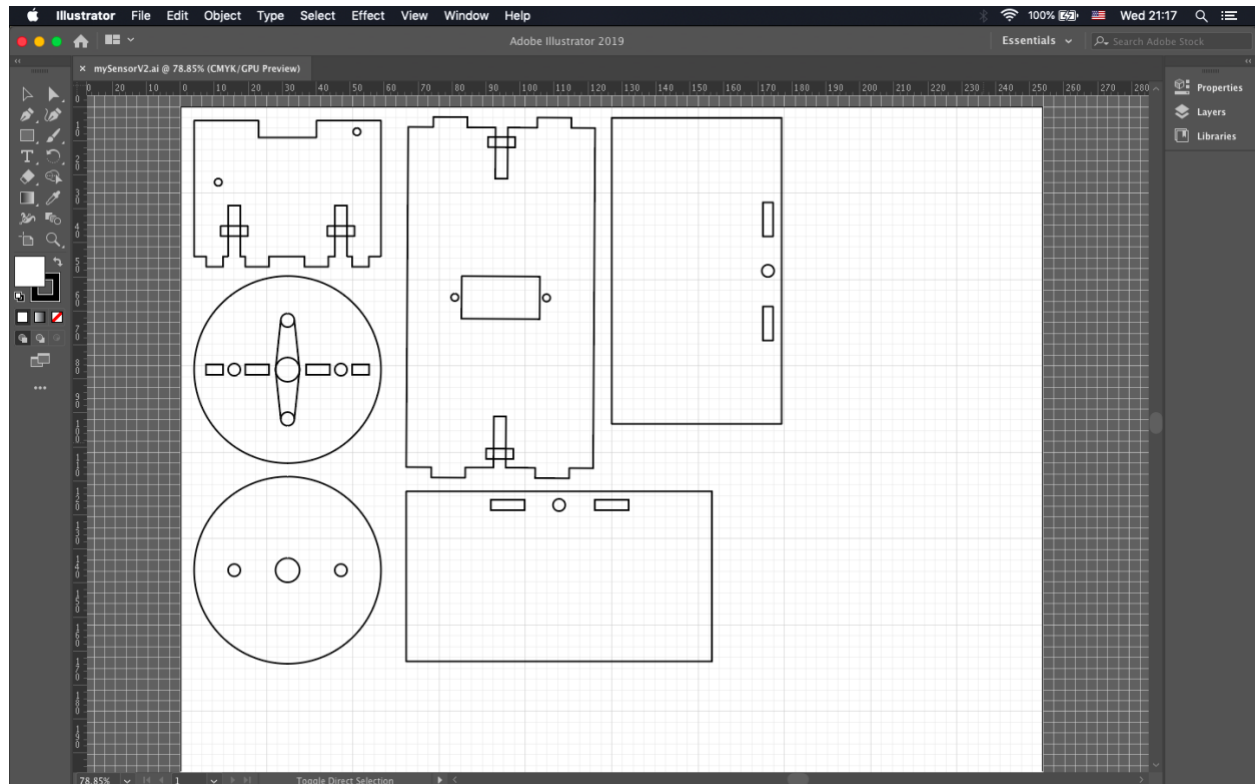


Part 2

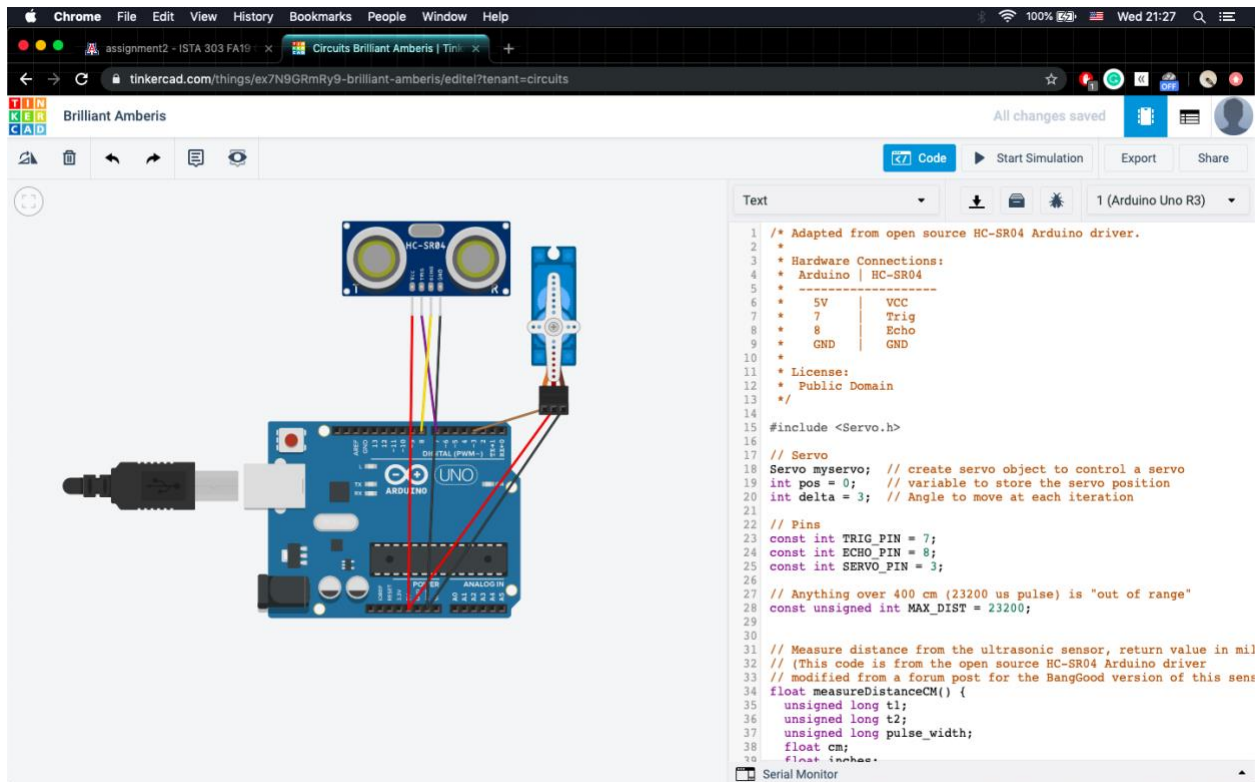
OpenSCAD



Adobe Illustrator

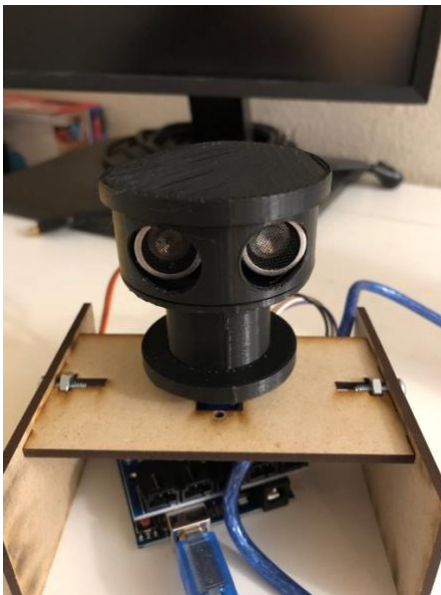


Part 3



Extensions:

1. A robot head like 3D Object that can 1) mount the ultra-sonic sensor inside the “head”, which makes the two cylinders on the chip looks like two eyes. 2) It also hides all the wires inside the “neck”.



2. A radar-like graphic user interface that 1) shows the distance from the object. 2) a green line segment shows that there is no obstacle in between, a red line segment shows that there is an obstacle in front.

