1. Design goal: cool looking and fun to watch with full 3D scan
2. Problems with initial design: bearing, wires, accurate ir range, 360 scanning (no pot readout), no budget
3. Build the structure
   1. Outer Frame
      1. Motor pocket
      2. Stabilizing supports (so collapsible)
   2. Inner Frame
      1. Bearing
      2. Table
      3. IR mount
4. 360 scanning
   1. We hacked a servo
   2. H bridge treating servo like motor
   3. Loss of pot readout (aluminum button)
   4. Wiring (clockwise and counterclockwise)
   5. IR calibration
5. Software
   1. Serial communication
   2. Sweeping theta
   3. Coordinate system
   4. Testing
   5. Testing
   6. Testing
   7. Testing