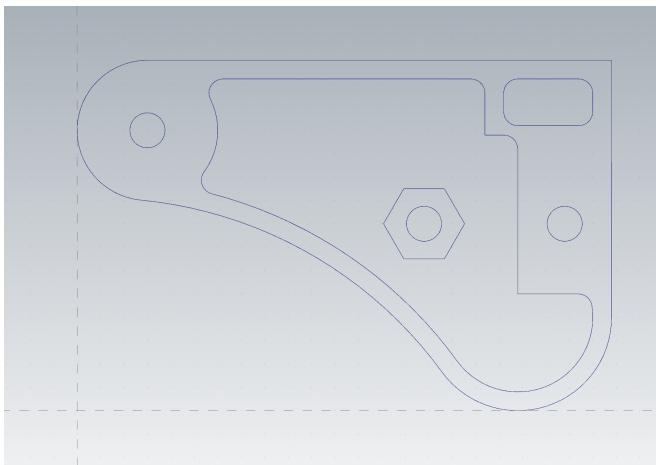
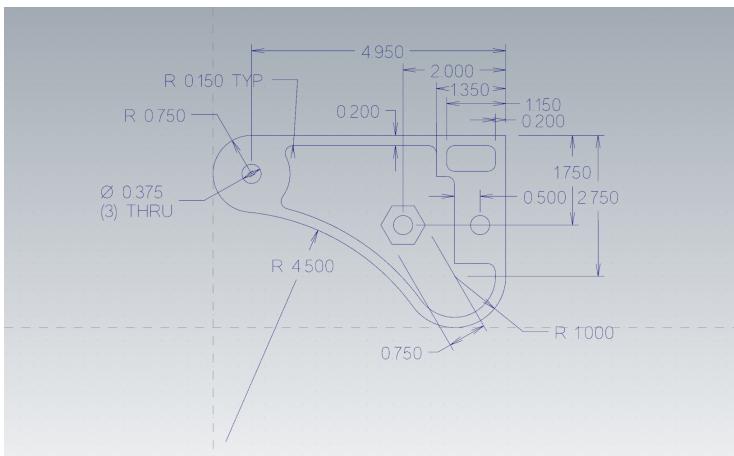


CCET 3680  
Mill Lesson 8 First Exercise

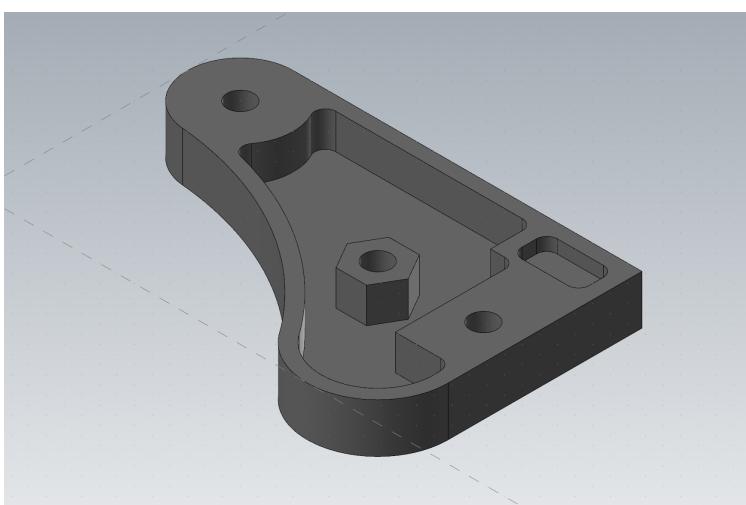
I. Wireframe:



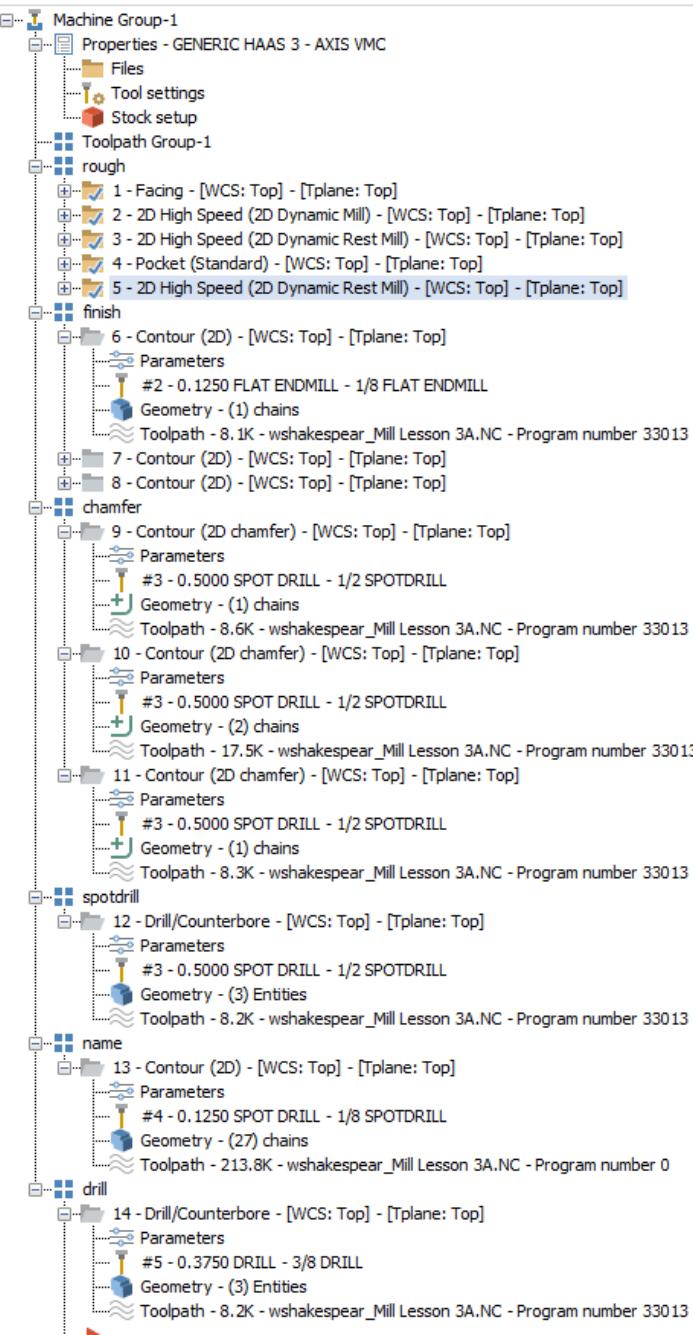
II. Dimensions:



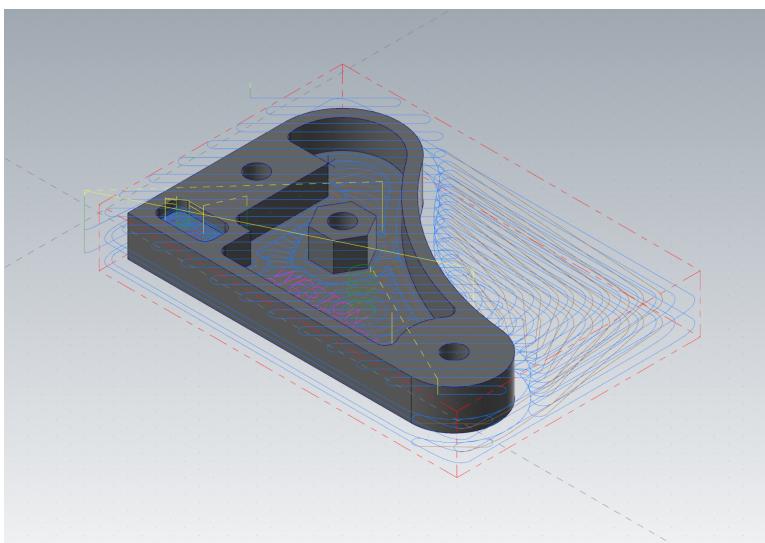
III. Solid:



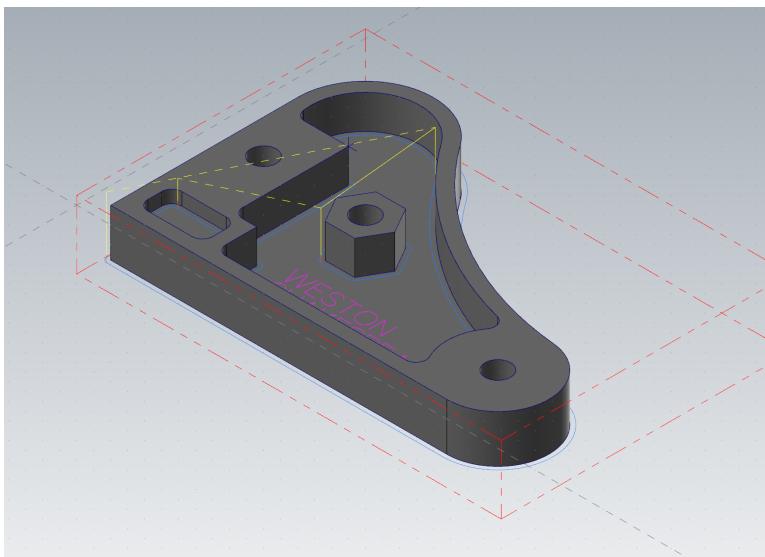
## IV. Toolpath:



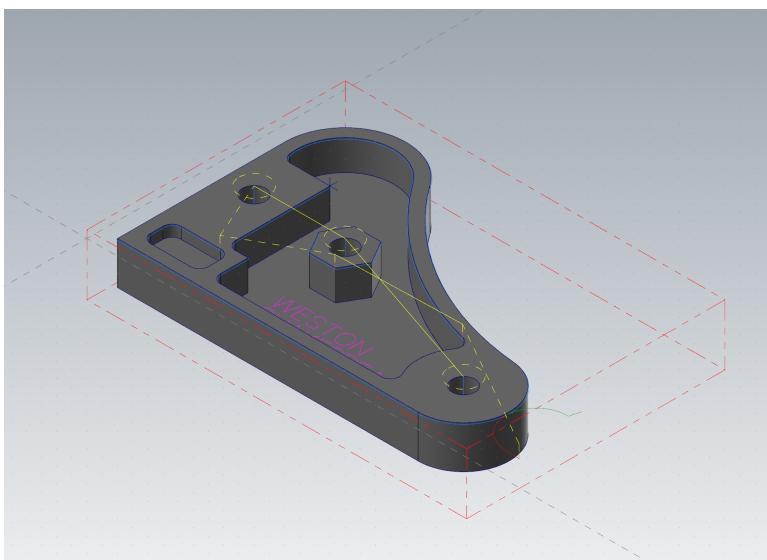
V.  $\frac{3}{8}$ " Endmill:



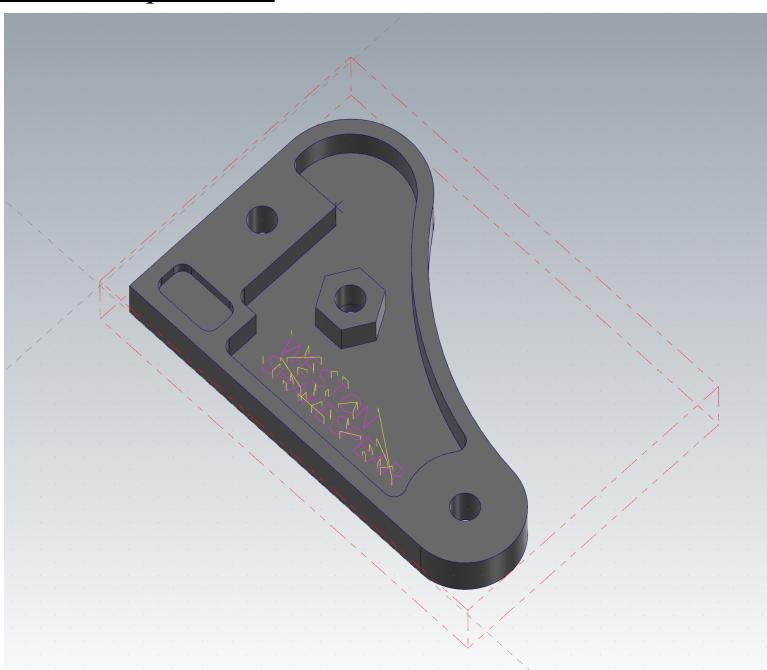
VI.  $\frac{1}{8}$ " Endmill:



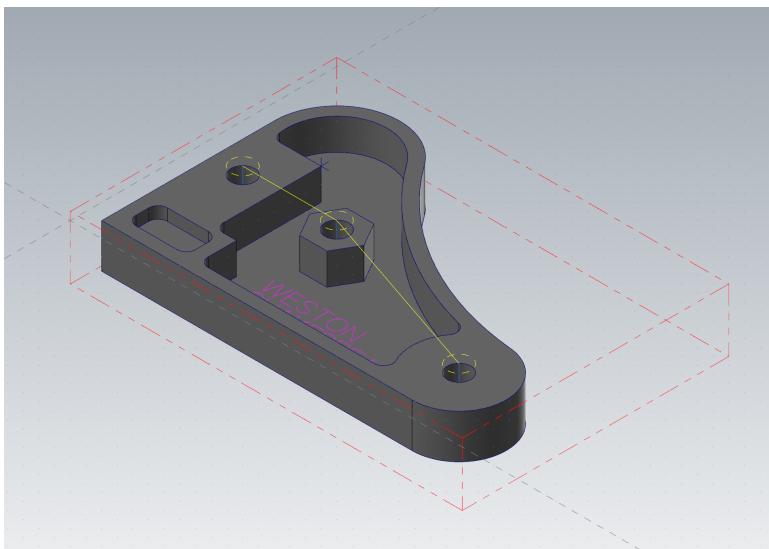
VII.  $\frac{1}{2}$ " Spot Drill:



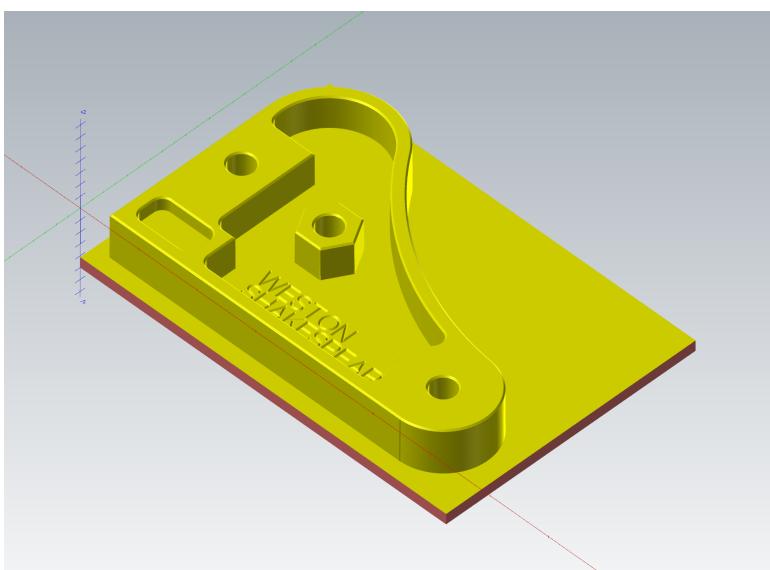
VIII.  $\frac{1}{8}$ " Spot Drill:



IX.  $\frac{3}{8}$ " Drill:



X. Final Solid:



XI. Method:

For this part I drew the radii in and then the rest of the features using the x,y coordinates of them.

XII. GCode Changes

To modify my gcode to be compatible with the machine I first made sure the HAAS 3 axis post processor was selected when exporting the gcode. Then I removed the long lines at the beginning and edited the last G28 home command to not zero the x axis.

XIII. Finished Part



XVI. Quality Report

Outside X: 3.7510in

Outside Y: 5.7960in

Hex Width: 0.7553in

Hole Diameter Average: 0.3786in