Trevor Tuck
Mechanical Engineer

Hi, I'm a mechanical engineer with an interest in manufacturing and structural design.

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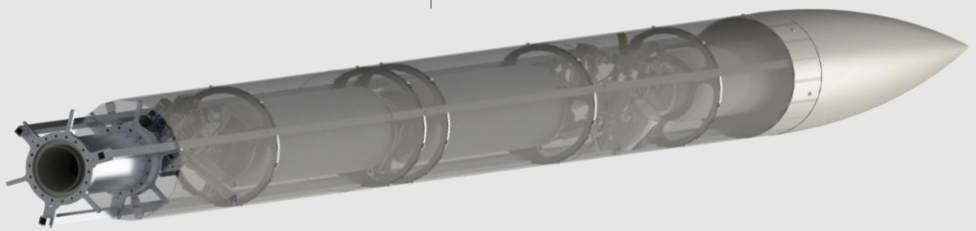
Email: trevortuck00@gmail.com
Linkedin

1 UCI Rocket Project

Structures & Manufacturing Engineer



2 Gluebi: Weldless Bike Frame

Chief Engineer

Education

B.S. Mechanical Engineering
University of California, Irvine
2018-2023

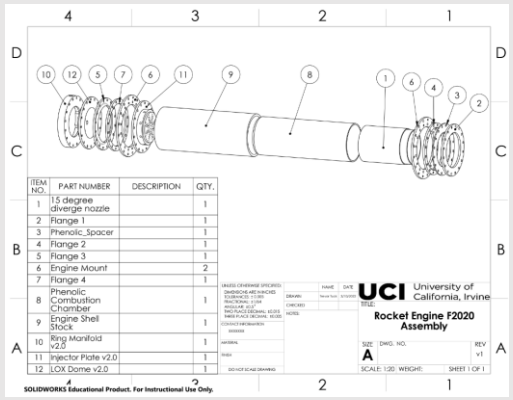
Skills

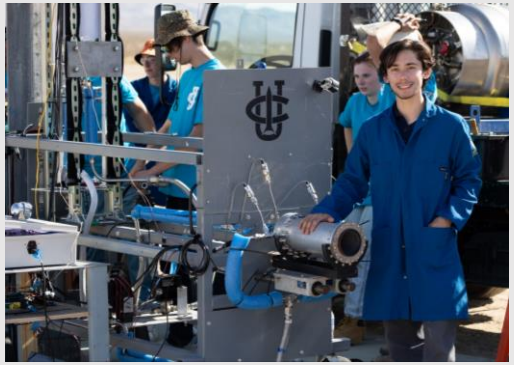
SolidWorks
Catia
Abaqus
Python

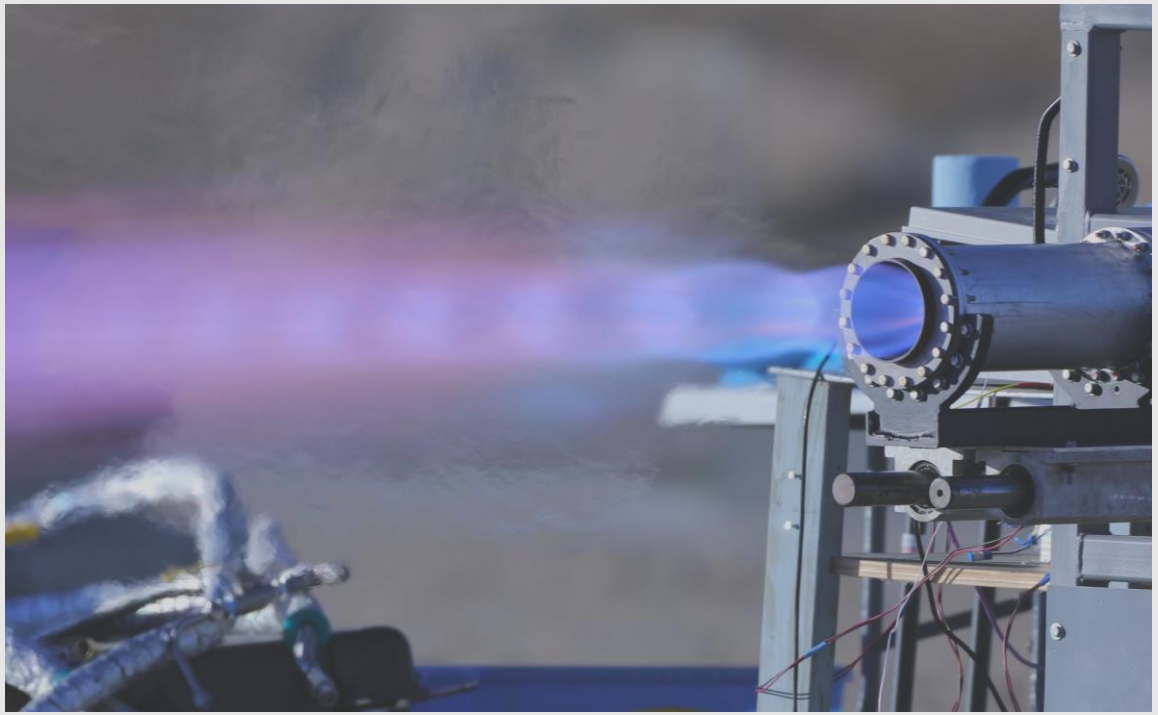
Machining
3D Printing
CAM
GD&T

UC Irvine Rocket Project

Methalox Rocket Engine Manufacturing







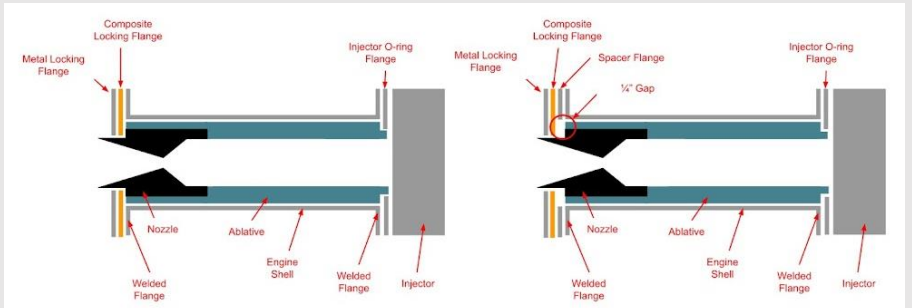
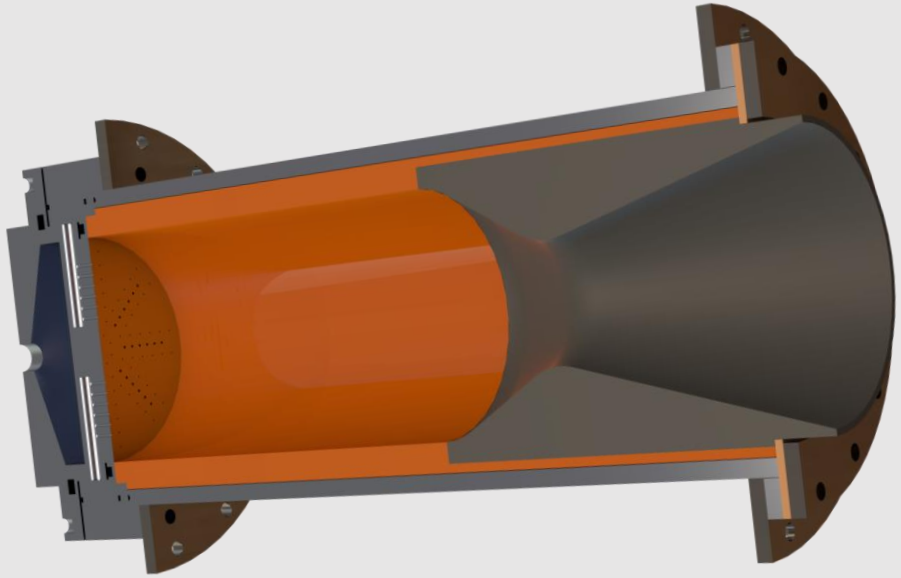


Figure 3. Correct Engine Assembly (left) vs. Incorrect VTF2 Engine Assembly (right)

Skins Jig

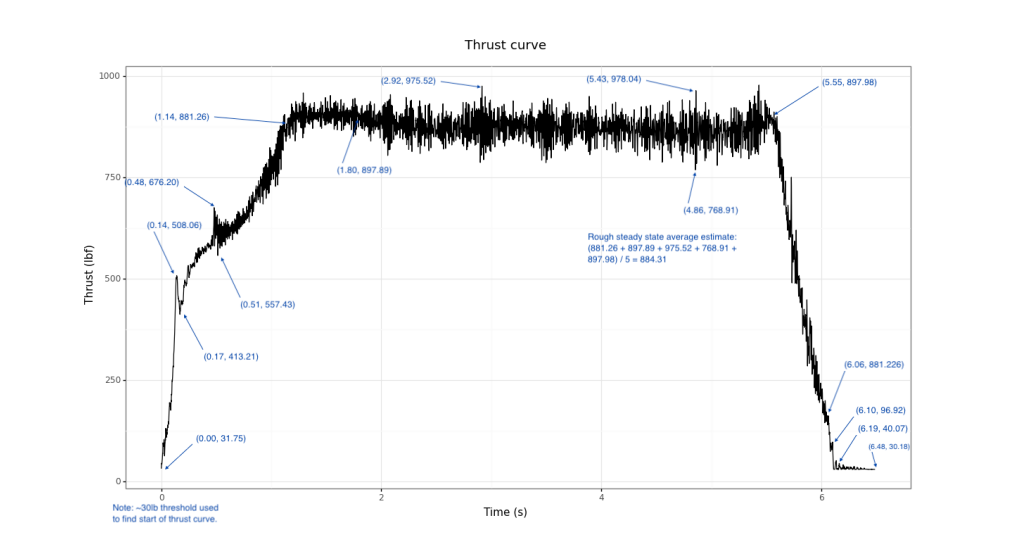
UCIRP CAD Drive

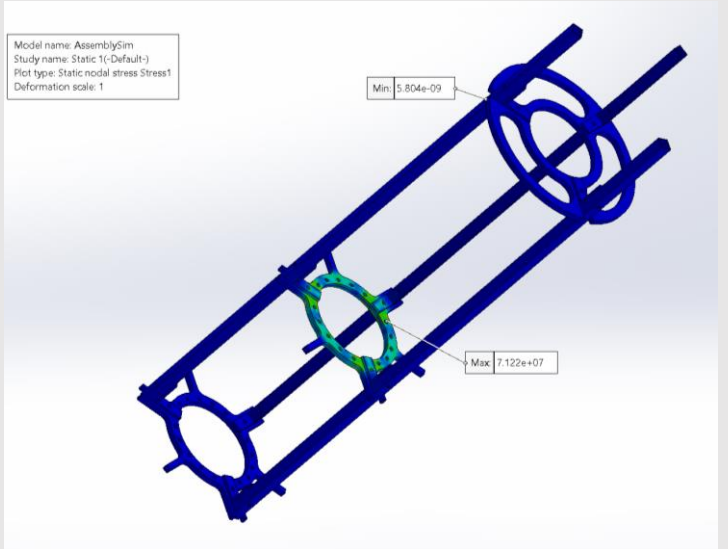


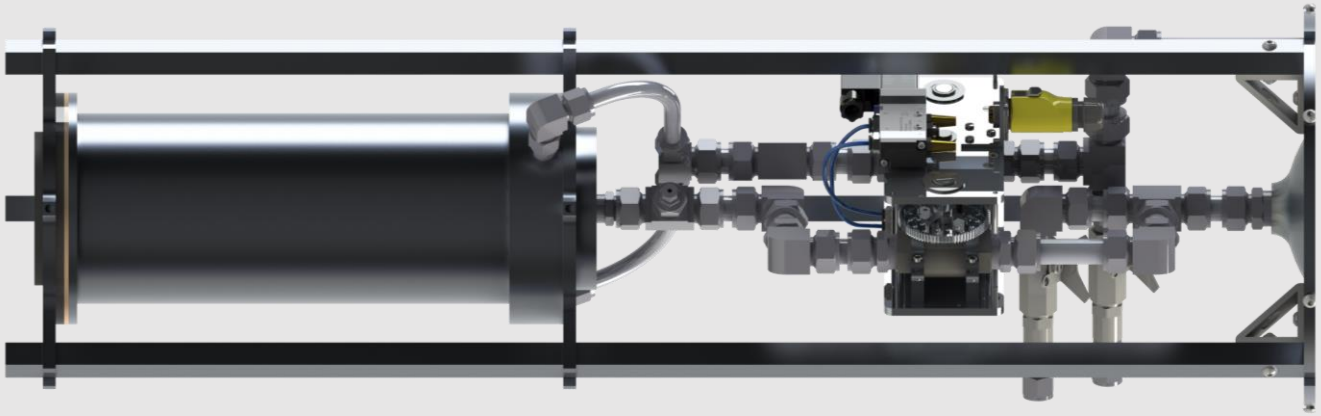
Bulkhead Isogrid

Rocket Erector

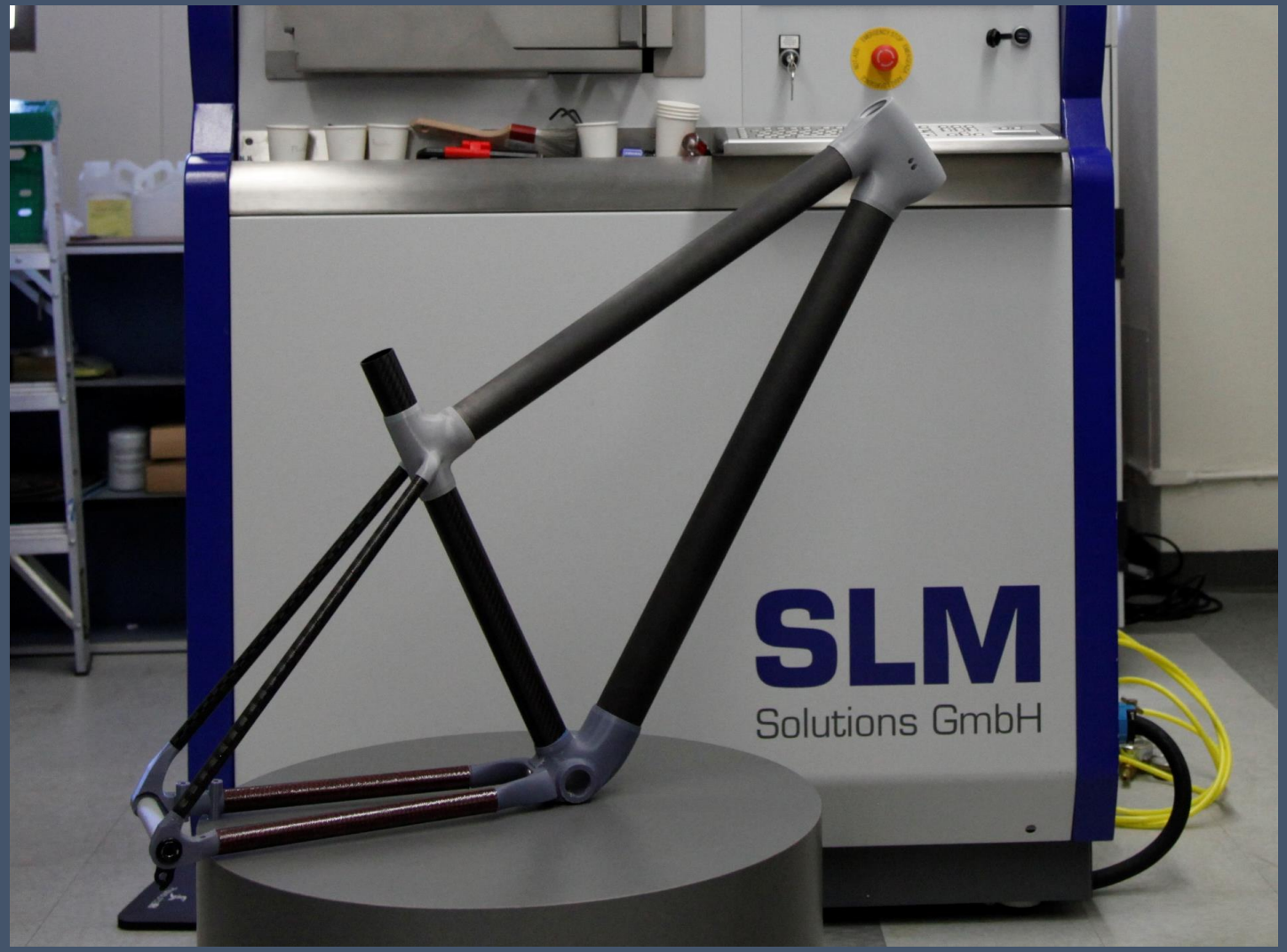
Structural Sim



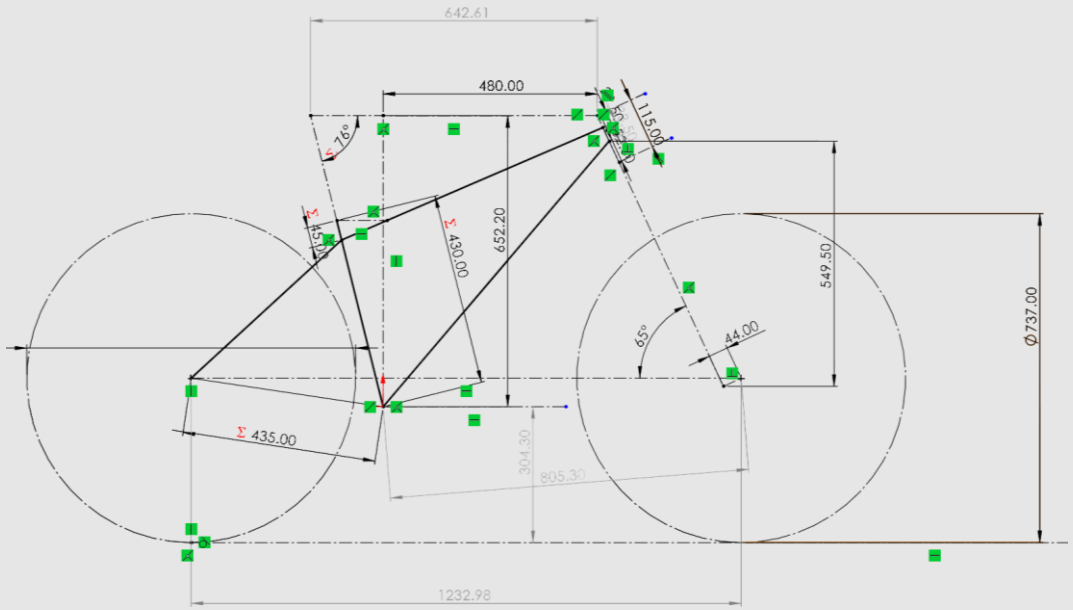


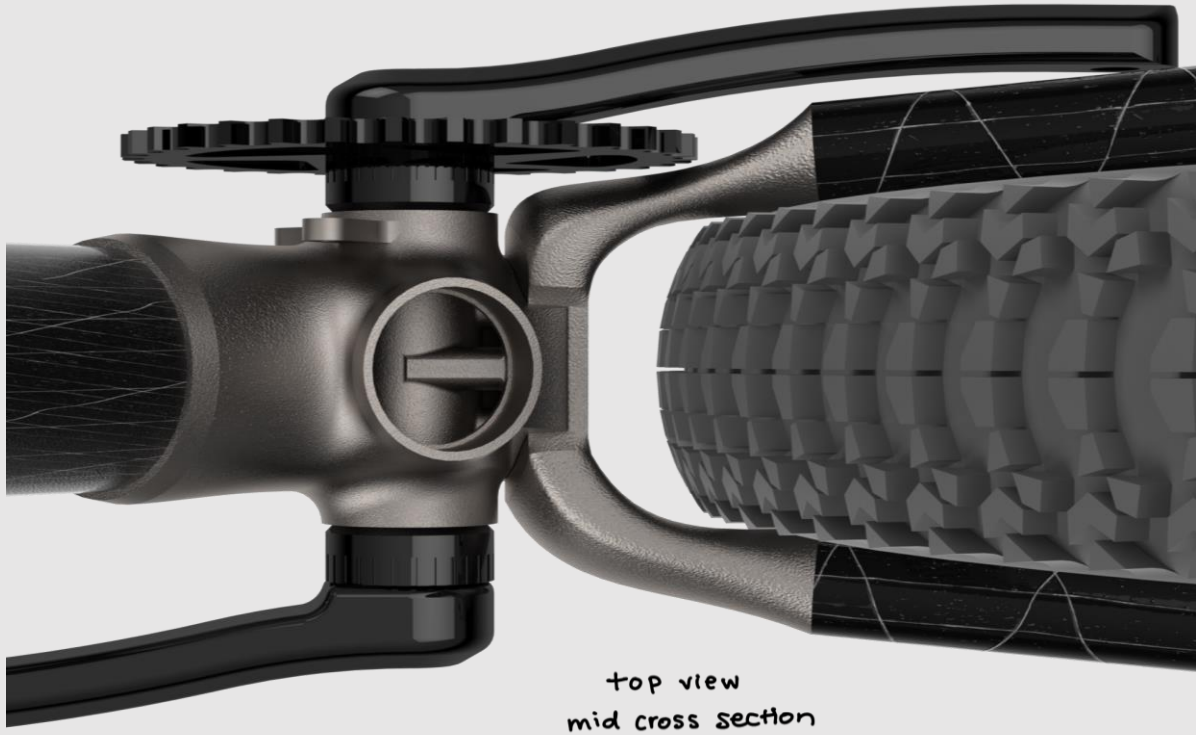


Gluebi

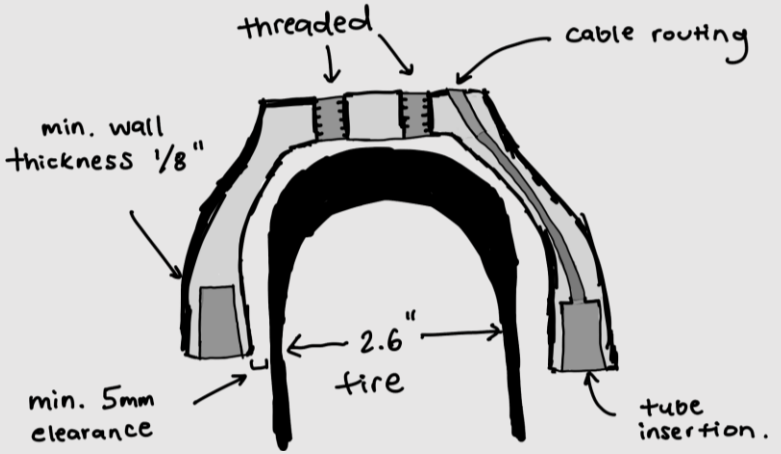


Parametric CAD & Yoke Design

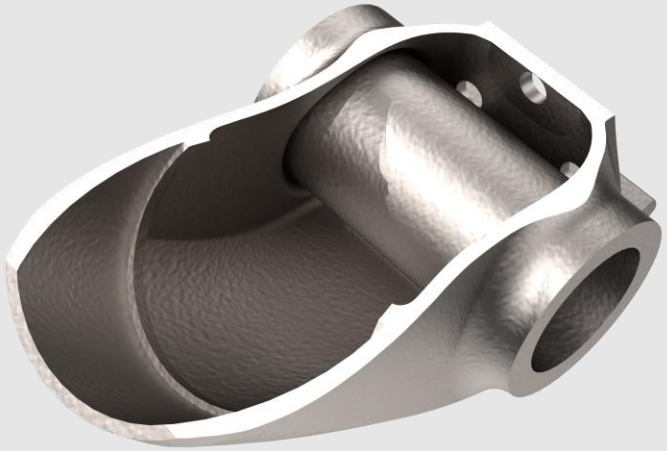


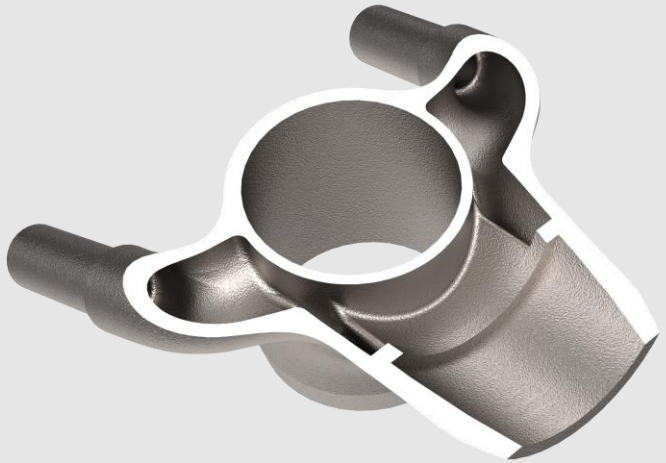


top view
mid cross section

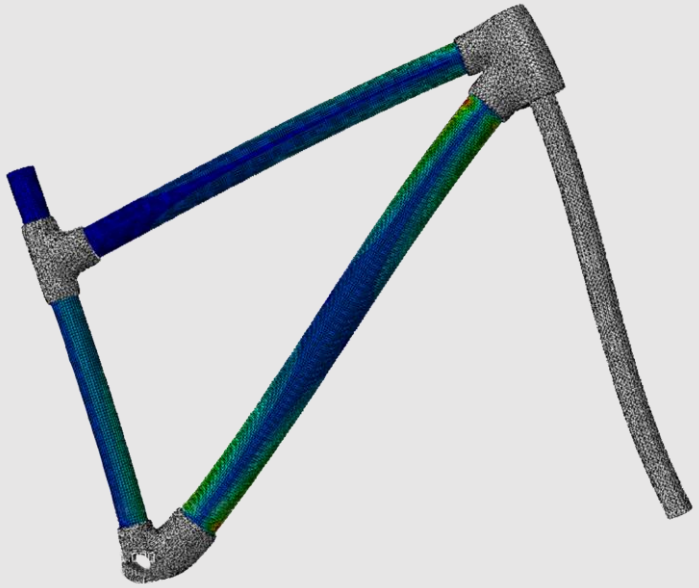


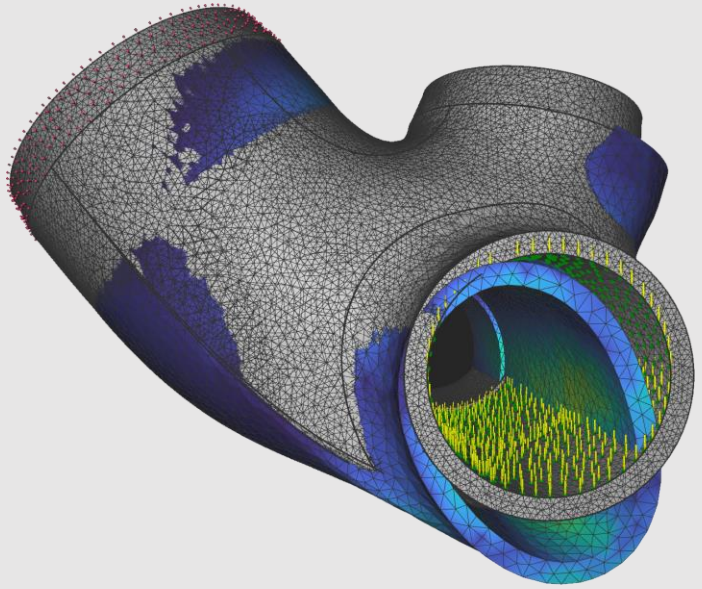
Lug Surface Modeling





Abaqus & nTopology FEA





Prototyping & Manufacturing