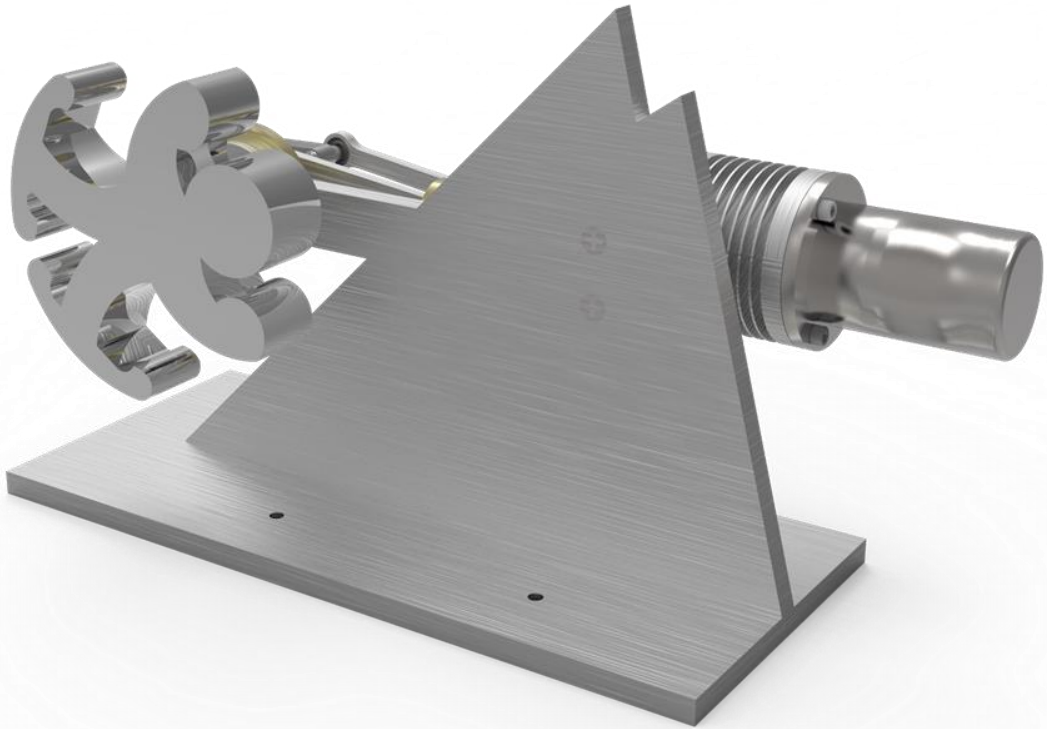
Portfolio

Christopher T. Fox

Stirling Engine - Render

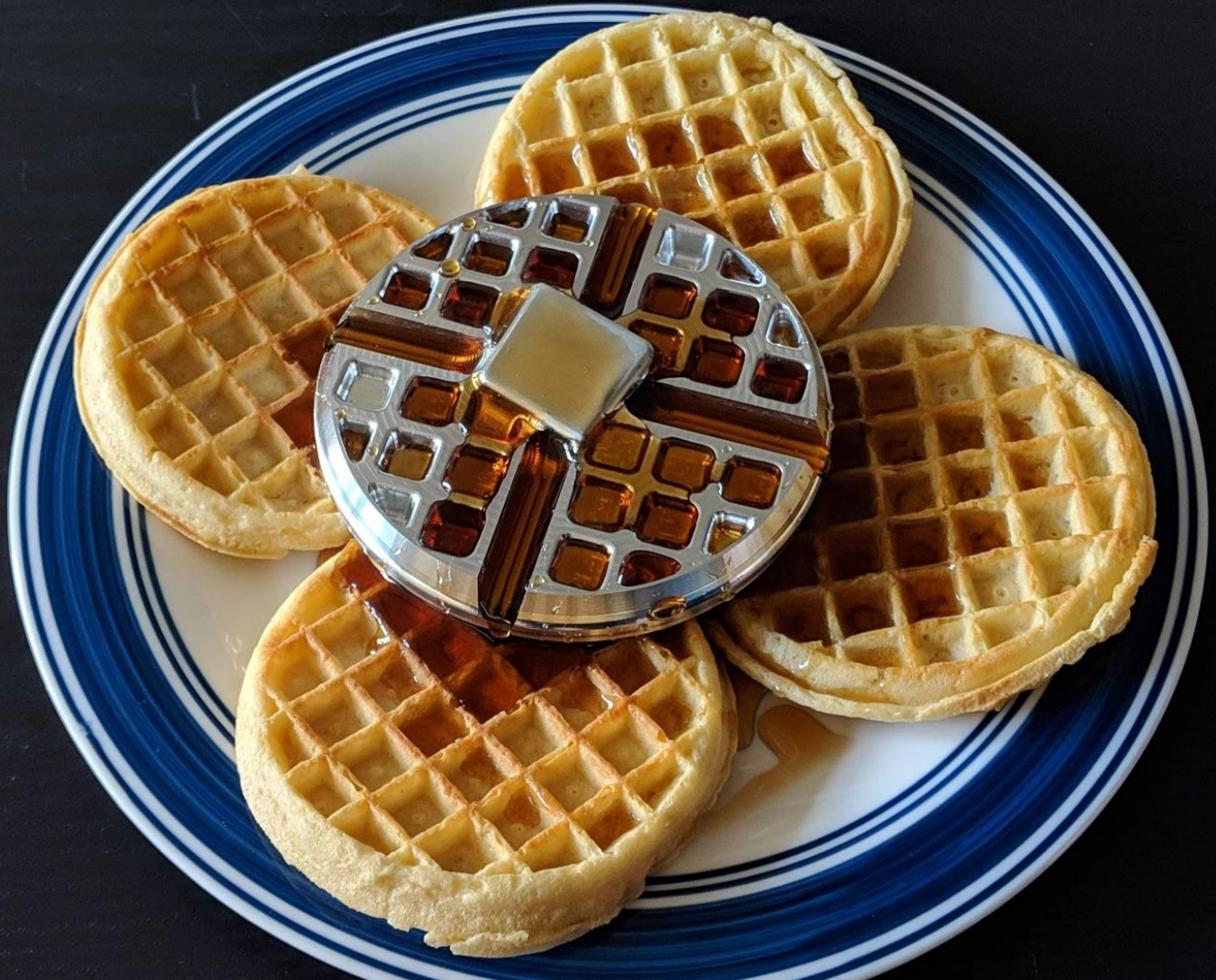


Stirling Engine

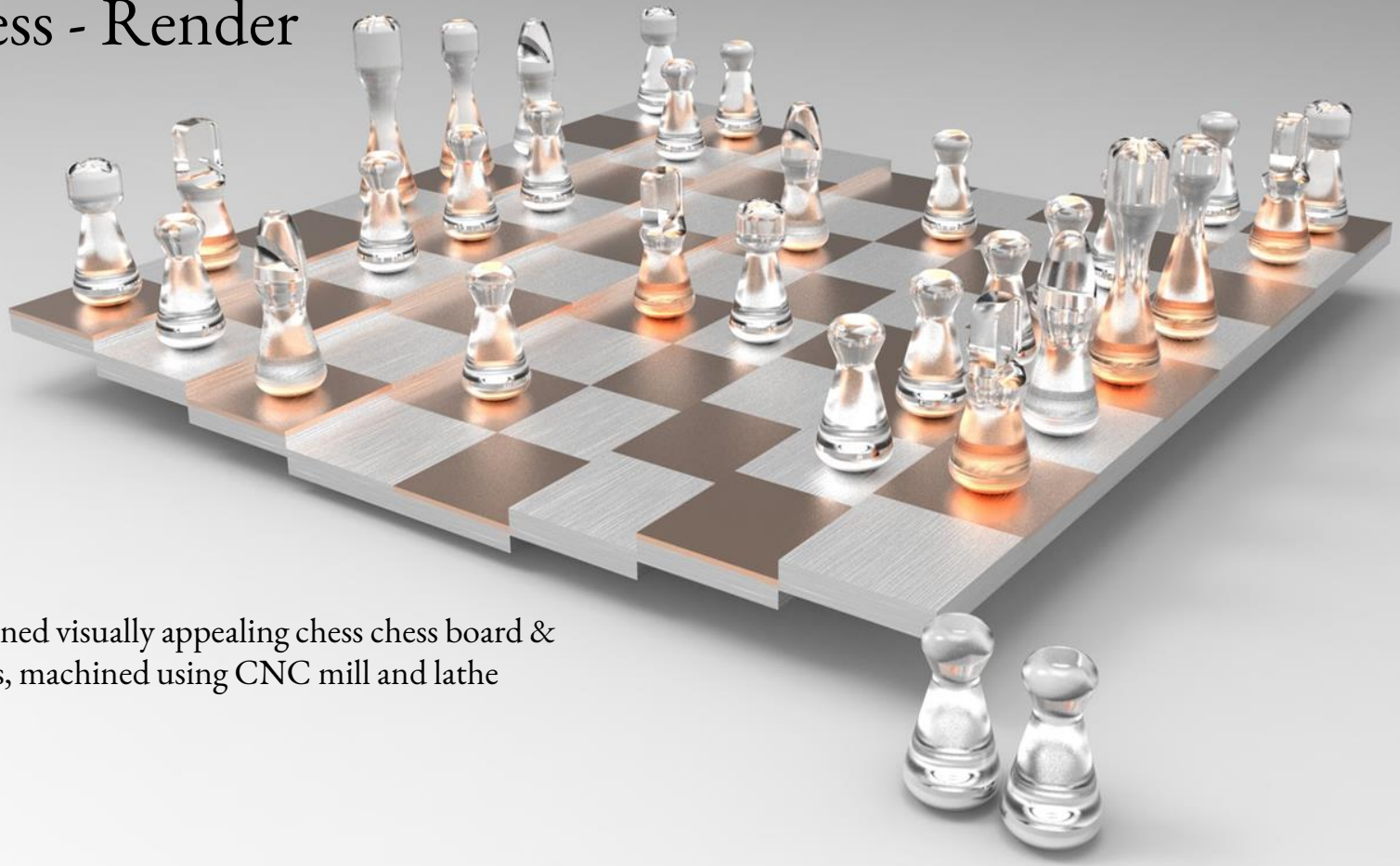
Waffle - Render

Designed to be machined using 3 axis CNC milling with SolidCAM

Waffle



Chess - Render

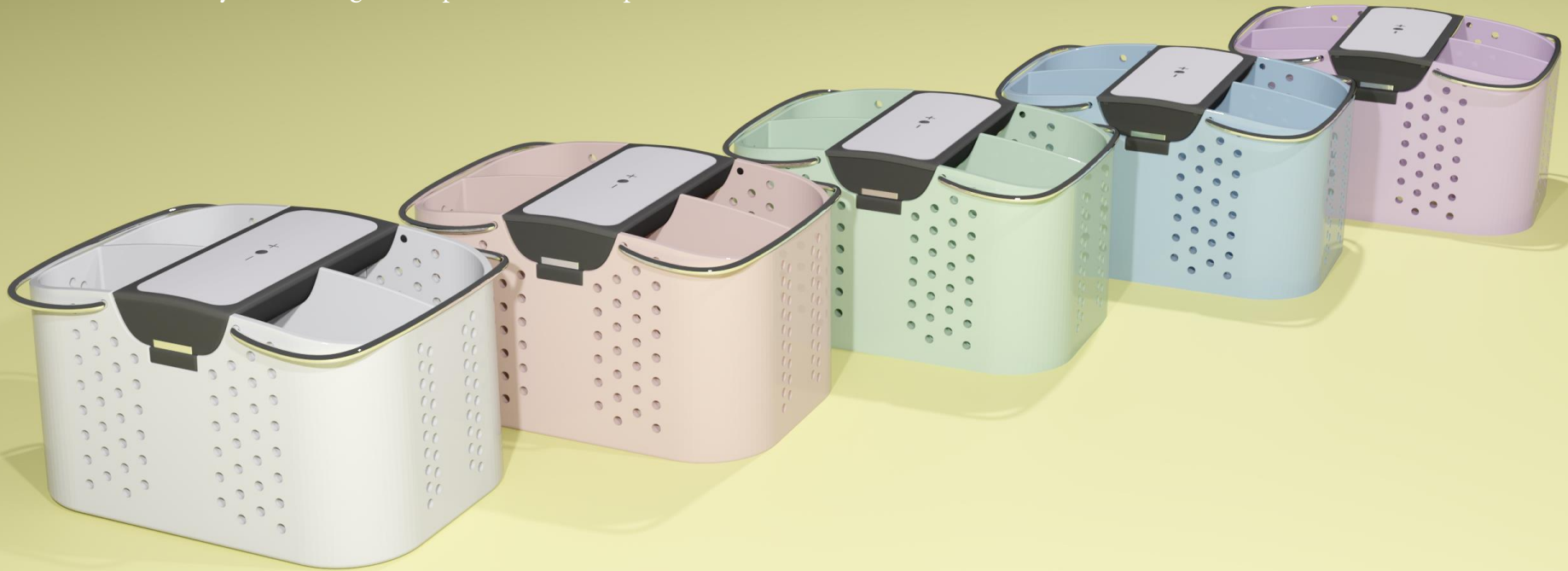


Designed visually appealing chess chess board & pieces, machined using CNC mill and lathe

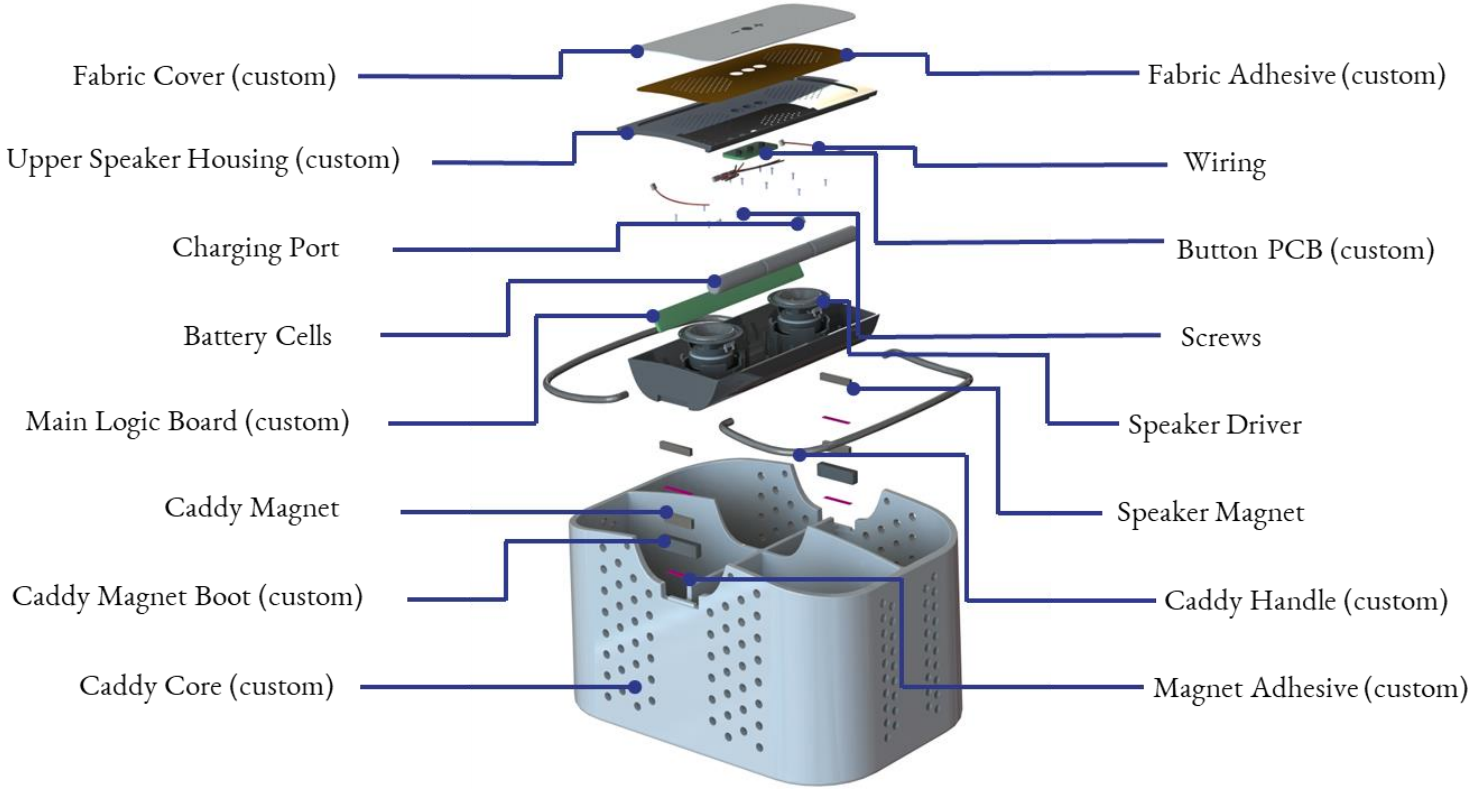
Chess

ShowerAmp - Render

Shower caddy with integrated speaker mock-up

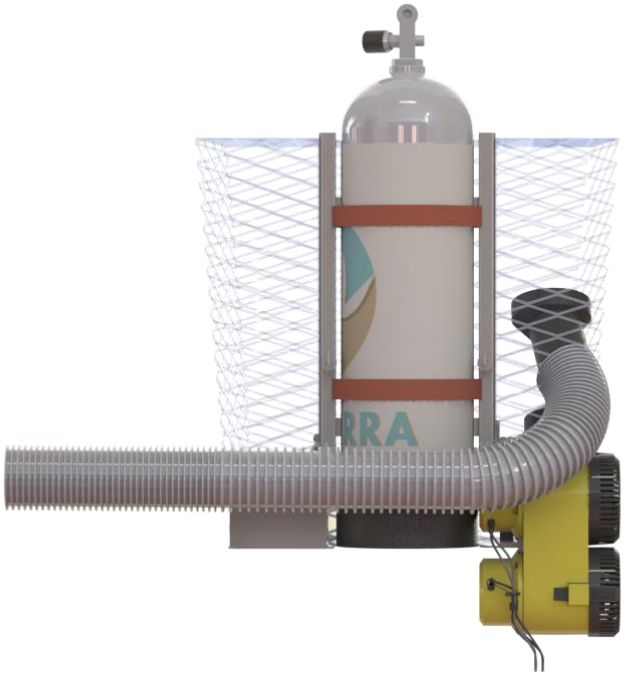


ShowerAmp – Exploded View

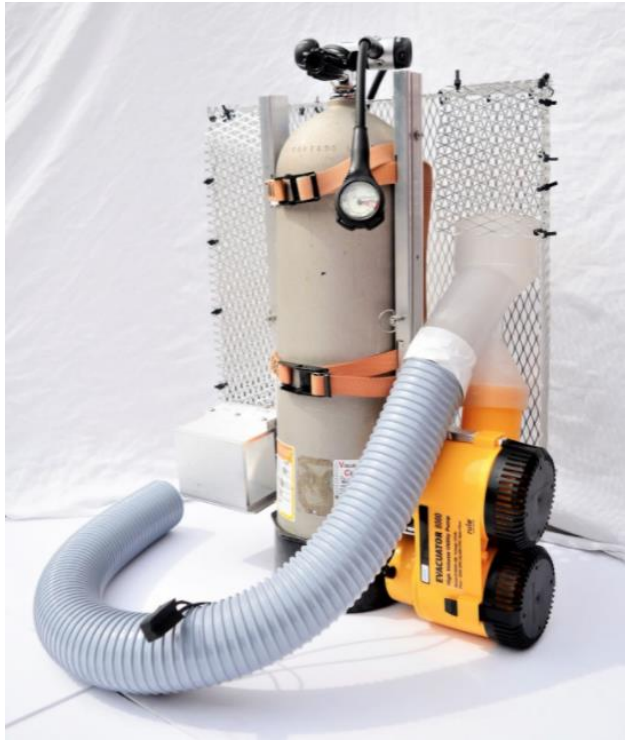


Posterra - Render

Handheld mechanism for underwater clean-up dives.

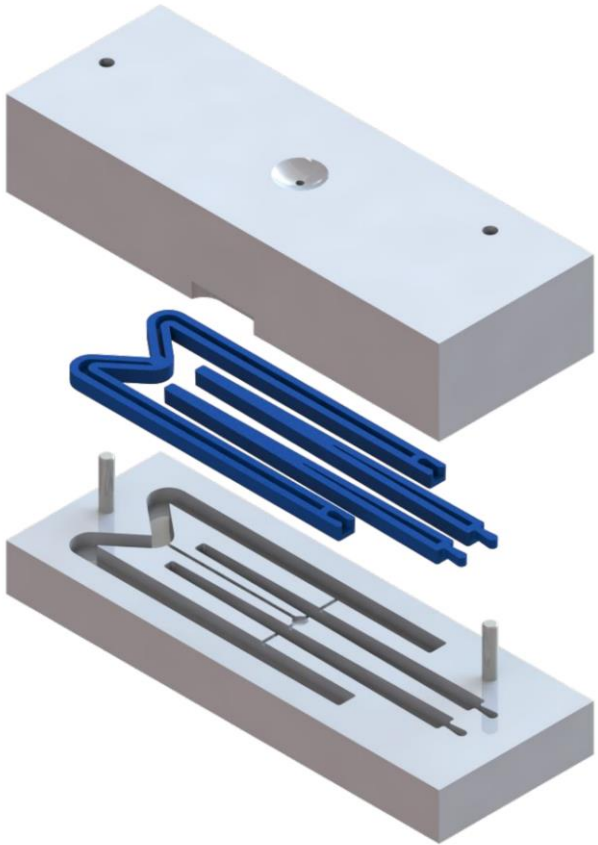


Posterra

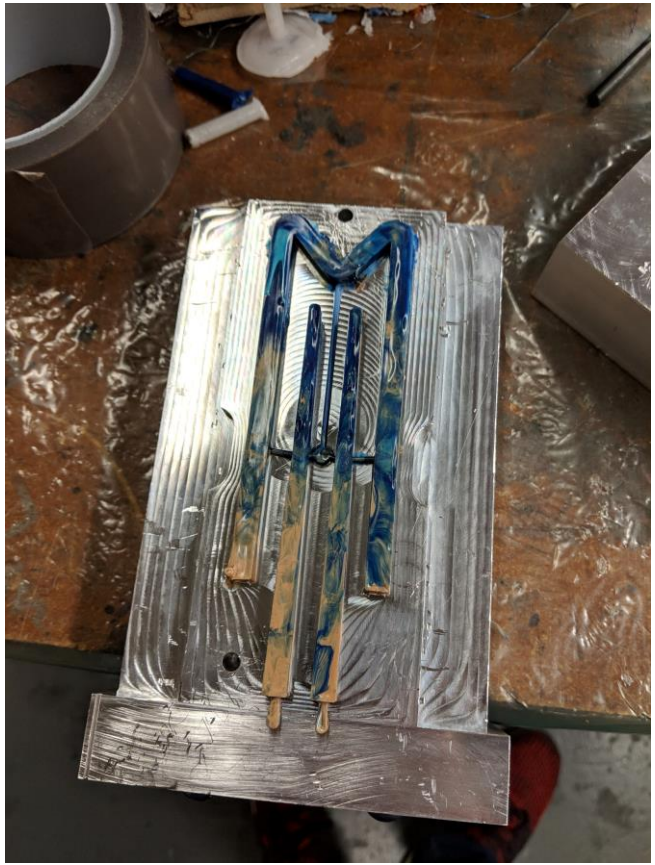


Chopsticks - Render

Designed and manufactured an aluminum mold of “beginner” chopsticks and produced parts using food-safe plastic in a Morgan Press injection molding machine.

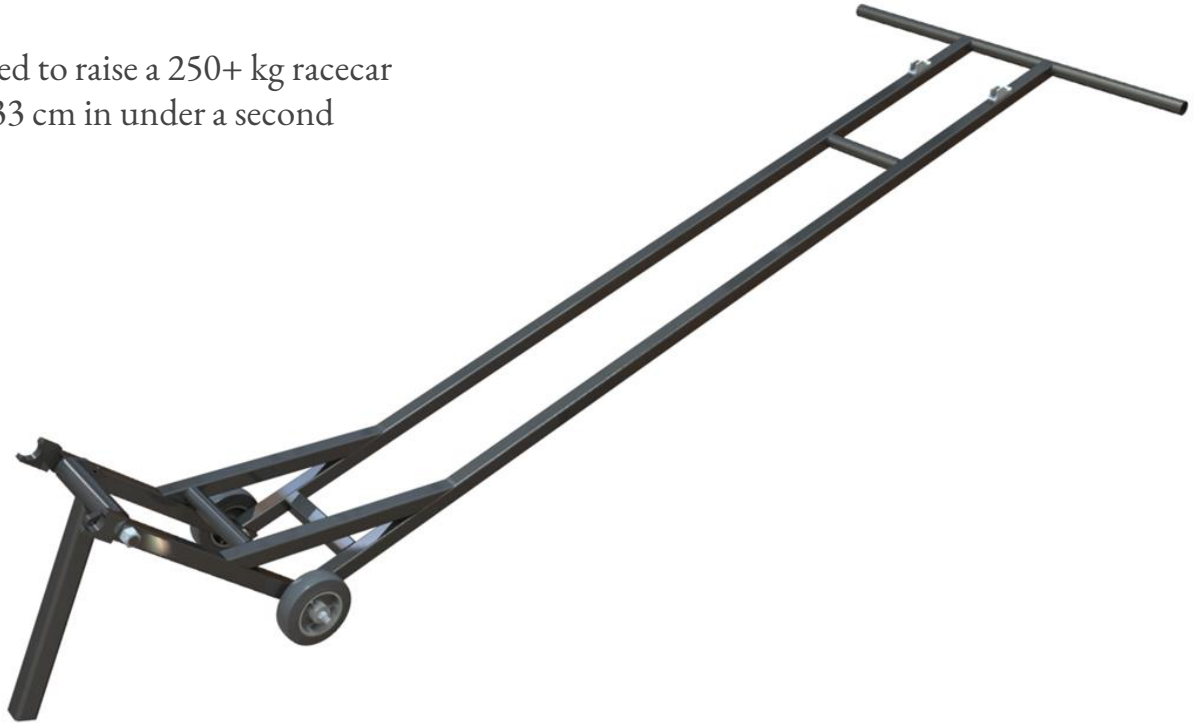


Chopsticks

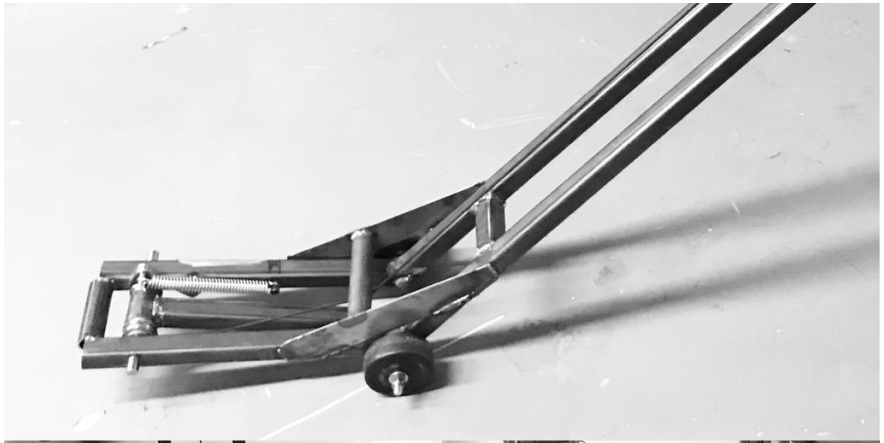


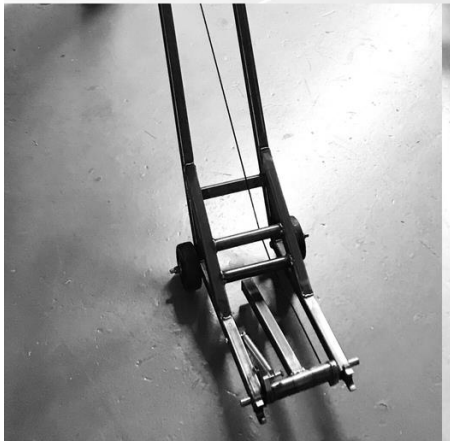
Quick Jack - Render

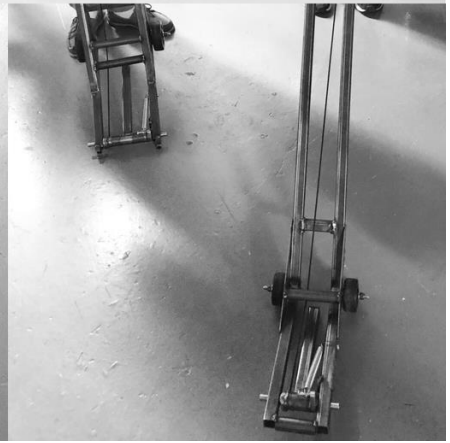
The Quick Jack is used to raise a 250+ kg racecar to a stable height of 33 cm in under a second



Quick Jack







Helicopter - Render

Team project using power transfer mechanisms
to drive 4 rotating parts from one DC motor

Steering System - Render

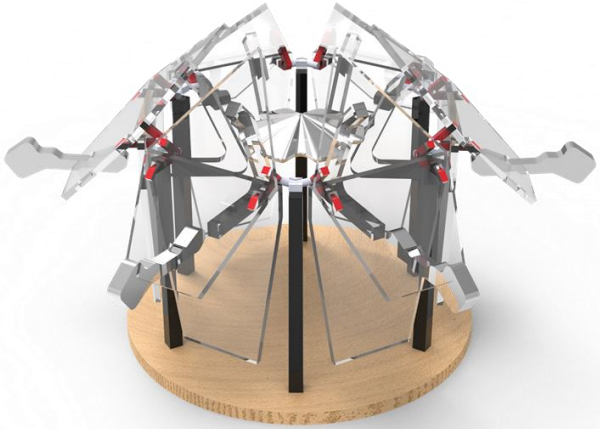
An incredibly lightweight and robust steering system for a Formula Student racecar.

Pear - Render

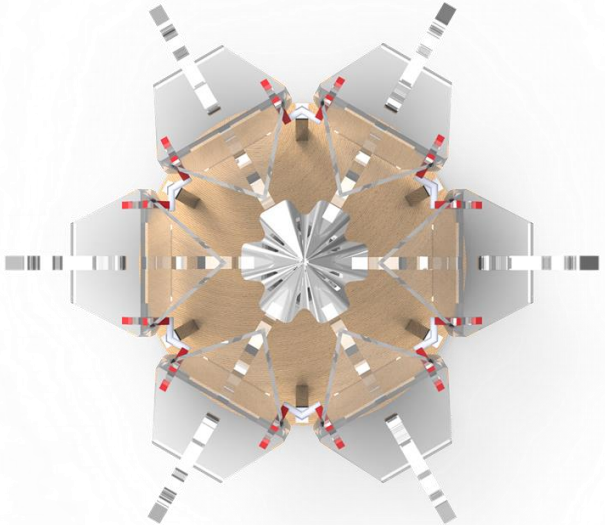
Employed surface modelling techniques to mimic organic fruit shape

Balancing Art - Render

Design project allowing numerous masses to balance in equilibrium



Front



Top

Non-Destructive Testing

Determined structural stability of the in-wheel upright assemblies of a FSAE racecar after 30 miles of testing, using fluorescent dye penetrant techniques.