

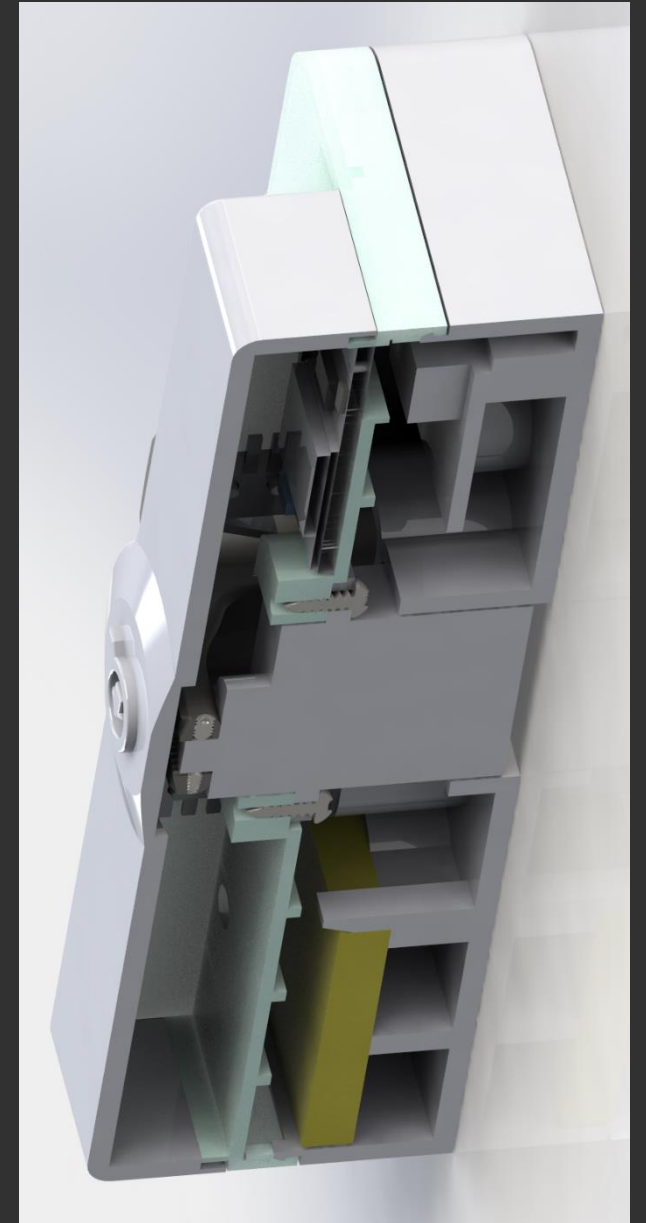
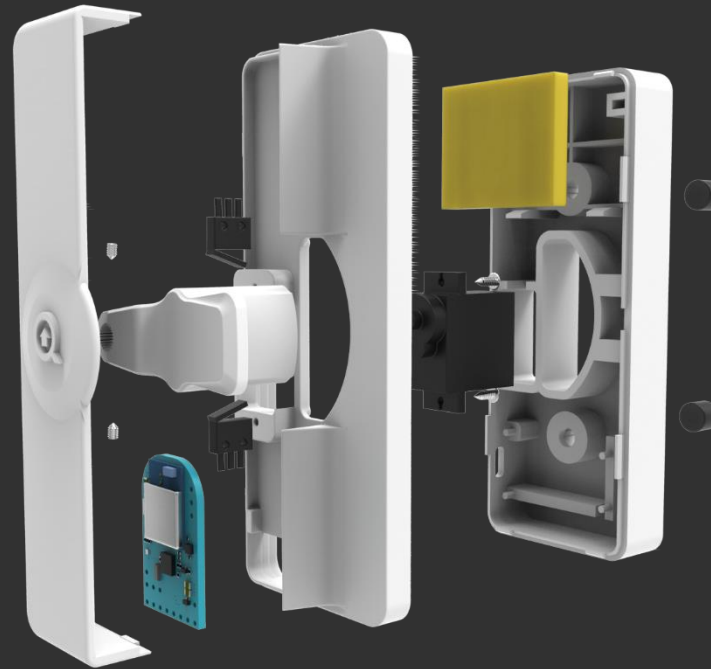
Mechanical Engineering Intern

Advanced Development, Chamberlain Group Inc.

August 2016 – December 2016

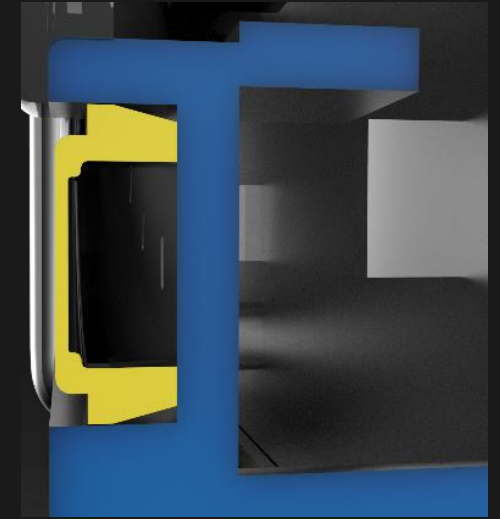
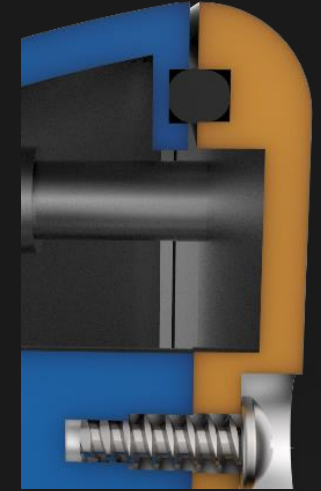
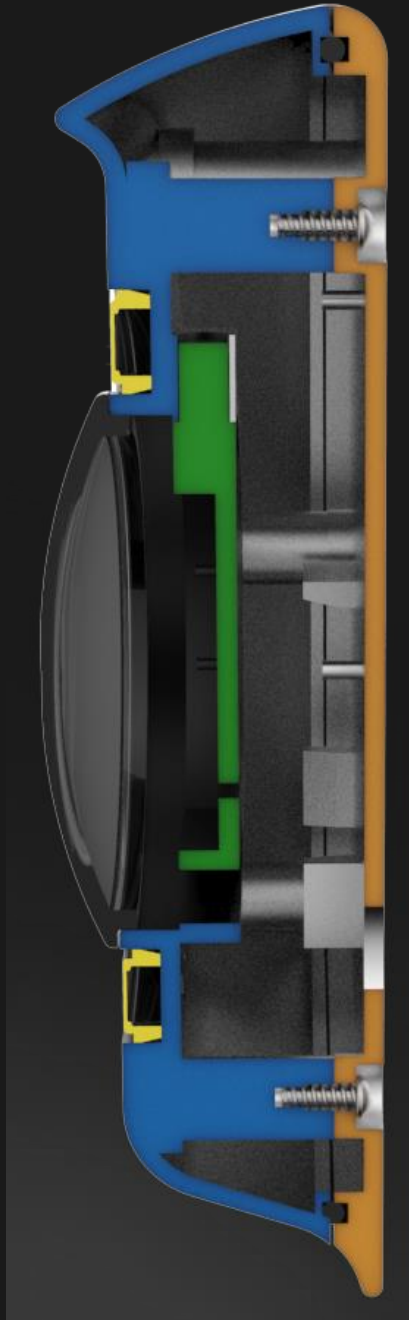
Product 1

- Plastic Enclosure design
- Prototyping using SLA 3D printer
- Snap and insert fits
- Lifecycle testing of motor
- Battery life analysis



Product 2

- Enclosure design for sheet metal
- Design for ingress protection (IP65)
- Design of O-ring seals and silicone seals
- Demo of functional prototype
- Investigated micro-perforation illumination technology



Bluetooth Low Energy

- Sent and received data from Bluetooth Chip (two way communication) to smartphone.



- Built a smartphone app using MIT App Inventor

