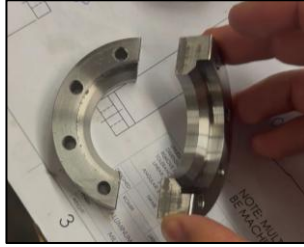
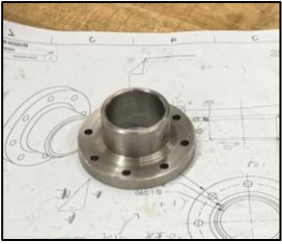


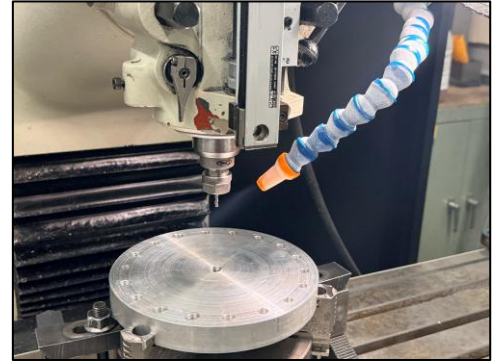
Romir Tandon – Engineering Portfolio

romir.tandon@gmail.com
 +1 732-910-1940
 University of Waterloo
 Honors Mechanical Engineering

- Fabricated bulkheads, longerons, tubing, valves, and various components using CNC and manual Machining.



(Various Flanges utilized in Testing Injector Assembly)
 304 Stainless Steel

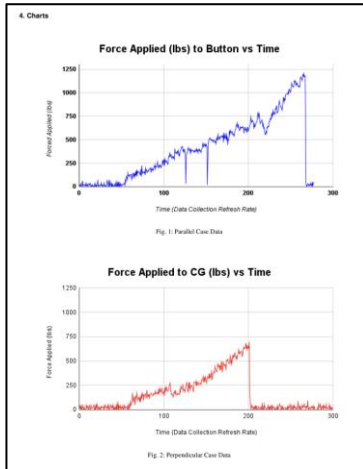
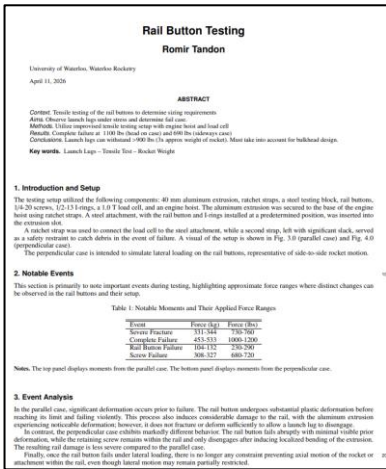


(CNC Machining of a Recovery Bulkhead)
 6061 Aluminum

- Designed and executed a tensile test on launch lugs
- Repurposed existing team electrical infrastructure to conduct data acquisition and test operations.
- Developed procedures in accordance with team and university testing safety requirements.

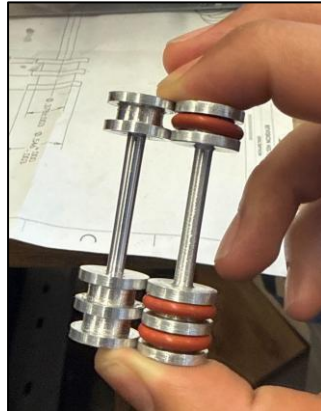


(Tensile Experiment Setup)
 Electrical support systems visible in background

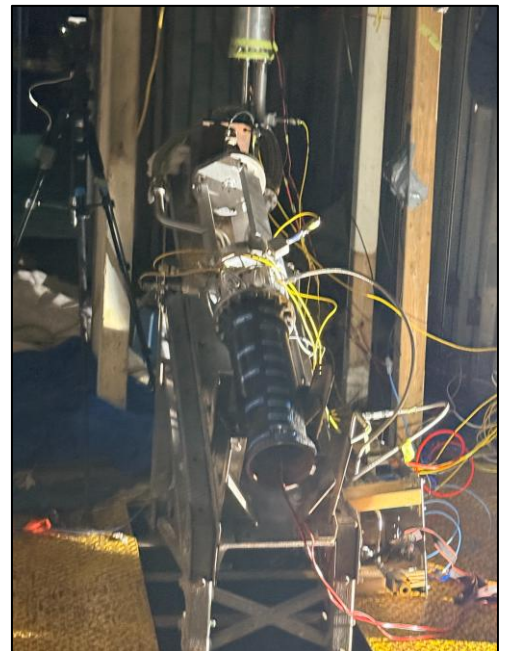


(Example Pages from Resultant Report)
 Abstract, Procedures, and Data

- Aided in pneumostatic, pyrotechnic, hydrostatic tests with operation and design.
- Aided in cold-flows, static fires, and tests through pad operations, assembly, and setup.



(Machined Components of Pyrotechnic Vent Valve Assembly)
 6061 Aluminum



(Fully Assembled Static Fire Setup)
 Waterloo Rocketry's Liquid Bipropellant Rocket Engine

