

## EDUCATION

---

### Delft University of Technology

*Pre-Master — Aerospace Engineering Faculty*

Delft, NL

*Aug 2025 – Present*

- **Coursework:** Aerodynamics, System Design, Flight Mechanics & Dynamics, Orbital Mechanics, Structural Analysis & Design, Programming, Computational Modeling

### InHolland University of Applied Sciences Delft

*Bachelor degree — Aeronautical Engineering*

Delft, NL

*Aug 2021 – July 2025*

- **Focus:** Rocket Propulsion, Systems & Component Design, Production, Empirical Research
- **Coursework:** Structural design, Thermodynamics, Aerodynamics, Data Analysis, Statistics, Material Science, Control Theory & Systems Design, Propulsion, Composites

## WORK EXPERIENCE

---

### RFA - Rocket Factory Augsburg AG

*Propulsion Engineering Intern*

Augsburg, DE

*Feb 2025 – June 2025*

- Graduation thesis research related to (ORSC) engine fuel & ignition systems cavitation mitigation
- HELIX engine development tasks, empirical data analysis, documentation updates
- Design engineer for oxygen pump pressure sensor lines update, from design to production, testing & final assembly
- Made updates to overall P&ID of the engine

### CAE - Canadian Aviation Electronics Amsterdam B.V.

*Simulator Technician / Operator*

Amsterdam, NL

*Sep 2023 – Present*

- Freelance position after internship
- Internship project related to simulator certification testing, focused on sound acquisition anomalies
- Real time troubleshooting of complex systems from hardware to software issues
- Experience with maintenance and work with hydraulics, server based systems, programming, certifications

## PROJECTS

---

- **AQUILO HEI: Head-End Ignition development:** Stand behind the design and production of HEI for future AQUILO solid rocket motors. From requirements to material selection, design revisions, PDR & CDR till final production. Expected improvements of ignition times & thrust onset, increasing escape velocity. Possible dual-stage rocket designs.
- **CNC lathe RetroFit:** The CNC lathe from EMCO was not in use for a long time due to the obsolete SINUMERIK 810D controller, making machining nowadays not feasible. Performed maintenance on the machine and implemented a modified post-processor between CAD and the controller to make the CNC understand the CAM software of this age.

## INVOLVEMENT

---

- **AQUILO Student Rocket Team - Propulsion Department:** Experience in design, production & testing of propulsion components. Performed preliminary calculations of pressure-fed liquid bi-propellant engine to analyze feasibility, taking into account the team's skill set and capabilities.

## SKILLS

---

**Languages:** Python, C++, MATLAB

**Technologies:** Siemens NX, CATIA v5/v6, ANSYS, KiCad, CEA, RPA

**Production:** Manual machining both mill & lathe, CNC machining, Technical drawings

**Soft:** Teamwork, Diverse Perspectives, Curiosity, Quick Learning