

24th of July, 1997

Kongens Lyngby, Denmark

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About me

I am curious by nature; I channel this curiosity to relentlessly seek new knowledge in cutting-edge fields, especially aerospace.

My motivation thrives on crafting innovative solutions and tackling challenging problems, with a keen interest in aerospace, aerodynamics, data analysis and machine learning.

I approach each project with a rigorous, proactive, and hardworking mindset, consistently striving to push the boundaries of what's possible.

Software Skills

- **Python** including **Pytorch** & **JAX**
- **MATLAB** including **Simulink**
- **C++** • **R** (Statistical computing)
- **CFD** (OpenFOAM, STAR-CCM+ & SimScale)
- **CAD** (Solidworks & Onshape)
- **Orca Slicer** (3D printing slicer)
- **LaTeX**

Honours

- DANSIS Graduate Award for Best Fluid Mechanics Thesis (2026)
- DTU Blue Dot Diploma Award (2024)

Languages

- **Danish** - Native • **English** - Fluent

References

Michel Honoré — Force Technology
Senior Team Leader

Robert F. Mikkelsen — DTU WIND
Senior Researcher

Anders Aaboe Jensen

Dual-degree MSc graduate in Aerospace Engineering from TU Delft and Wind Energy from DTU, with top thesis grades and industry experience.

Education

2024 Sep - 2026 Aug **MSc Aerospace Engineering** — TU Delft, NL

Master of Science in Aerospace Engineering at Delft University of Technology, with a focus on aerodynamics, aeroelasticity, fluid–structure interaction and flow measurement techniques. The MSc thesis investigated adaptive surface roughness on airfoils, utilising wind-tunnel testing, PIV, and flow-physics analysis.
Master's thesis grade: 9.0/10.0 (EU: A / US: A+)

2024 Sep - 2026 Aug **MSc Wind Energy** — DTU, DK

Master of Science in Wind Energy at the Technical University of Denmark, with a focus on wind-turbine aerodynamics, turbulence modelling, CFD, turbulent flows and advanced fluid mechanics. The MSc thesis focused on airfoil flow control using adaptive surface roughness, combining RANS and LES simulations, wind-tunnel testing and development of a mechanically adjustable prototype.
Master's thesis grade: 12/12 (EU: A / US: A+)

2021 Sep - 2024 Jul **BSc Earth and Space Physics and Engineering** — DTU, DK

Bachelor of Science in Earth and Space Physics and Engineering at DTU. Bachelor's project in aerodynamic efficiency and shape optimization, utilizing CFD and wind tunnel testing.
Bachelor project grade: 12/12 (EU: A / US: A+)

Professional Experience

2023 Aug - 2026 Aug **Student Engineer** — DTU RoadRunners

DTU RoadRunners EcoCar, *competing in Shell Eco-Marathon.*

- Team lead for engine and combustion efficiency.
- Engine optimisation using dyno testing and data analysis.
- ECU calibration to maximize performance.
- **Achieved 1st place in the EU** Urban Concept ICE category with results of 413.83 km/l (2024) and 517.5 km/l (2025).

DTU RoadRunners Solar Team, *competing in Bridgestone World Solar Challenge and Ilumen European Solar Challenge.*

- Team lead for the electrical drivetrain and cooling system.
- Designed side-view mirrors with integrated cameras, reducing drag by more than 50%, as part of my BSc project.
- All parts adhering to UNECE international vehicle regulations.

2017 Aug - 2020 May **Technical Assistant** — Force Technology

- **Production of rocket main engine nozzles for the European heavy lift launcher Ariane 6**. Actively involved in the production of nozzles for the engine qualification and flight hardware for the first three flights.
- Laser welding and Additive manufacturing of reinforcements.
- Operator on a large 15-axis robot production cell.
- Assisted with assembly and installation of sensor systems on wind turbines and offshore towers for condition monitoring.

2016 Oct - 2016 Dec **Technical Assistant** — Kjul & Co. ApS

- Assembly and test of specially designed giant-sized mechanical watch with open movement for the technical theme park, Experimentarium, in Copenhagen.
- Daily assistance in the workshop.

2016 Jul - 2016 Sep **Technical NDT Assistant** — Force Technology

- Assistant on X-ray inspection tasks. Typically, on steel construction fields, power plants, pipes for district heating etc.

Relevant Courses

- Aerodynamics
- Aeroelasticity
- Advanced Fluid Mechanics
- Turbulence Modelling (CFD)
- Fluid-Structure Interaction (CFD)
- Rotor & Wake Aerodynamics
- Experimental Fluid Mechanics
- Flow Measurement Techniques
- Machine Learning
- Deep Learning
- Mathematical Statistics
- Numerical Algorithms
- Mechanical & Physical Modelling
- Thermodynamics
- Continuous & Discrete Time Signals
- Electromagnetism
- Astrophysics
- Linear Algebra & Calculus

Leisure activities

- **AI & machine learning**: Experimenting and building locally hosted LLMs, neural networks, harnesses, and machine-learning applications.
- **Travel**: I have visited 41 different countries and territories on five continents.
- **3D printing & CAD drawing**
- **Sim Racing**: Online competition.
- **Music producer**: Several releases on Spotify, national radio and television with 3+million streams.
- **Music studio**: Designed and build from the ground up.
- **Mobile audio system**: Designed and built a large-scale, solar-powered festival audio system with 220V AC power conversion for DJ mixers and lighting/event equipment.
- **Computers**: Custom building.
- **Sailing**: Racing & offshore cruising.
- **Downhill skiing**
- **Swimming**

Software Skills (Elaborated)

Python — Extensive experience in scientific computing, experimental data processing, and machine/deep learning. Developed neural-network and image-classification projects from scratch using PyTorch, CUDA, and JAX, including computational performance comparisons. Implemented custom k-ω and k-ε turbulence solvers from first principles and processed data from satellite feeds and laboratory measurement systems for fluid-mechanics and space-physics applications.

MATLAB — Extensive use of MATLAB for data processing, visualization, and analysis of satellite telemetry and wind-tunnel measurements. Developed race, energy, and fuel-management strategy models in Simulink with the DTU RoadRunners, contributing to the team's winning competition performance.

CAD — Extensive experience with Onshape and SolidWorks for detailed 3D modelling and engineering design. Designed drivetrain, battery-frame, side-view-mirror, and cooling-system components for DTU RoadRunner cars, as well as wind-tunnel models with internally routed pressure taps.

CFD — Extensive OpenFOAM experience with RANS and LES simulations of separated and unsteady aerodynamic flows. Experienced in turbulence modelling, near-wall treatment, meshing, boundary conditions, solver setup, and post-processing. Applied CFD in MSc research on adaptive surface roughness and Bachelor's work on aerodynamic optimization and wind-tunnel validation.

LaTeX — Extensive experience using LaTeX for reports, academic projects, and professional documents throughout university.

Microsoft Office — Proficient in Microsoft Office Suite, with strong skills in Excel, Word, and PowerPoint.

Supporting Documents

Available upon request: diplomas, transcripts, and letters of recommendation.

2026 — *DANSIS Graduate Award*
Recipient of DANSIS Best Fluid Mechanics Thesis Award 2026

2024 — *DTU Blue Dot Diploma Award*
This diploma is awarded to students who have contributed greatly to, and displayed extraordinary skills in student-driven projects.

2024 — *Letter of recommendation*
Jesper Schramm — DTU, Prof. Emer. in Mechanical engineering

2024 — *Letter of recommendation*
Michel Honoré — Force Technology, Senior Team Leader

Certificates and Qualifications

2021 - 2026 — Numerous Work permits and Safety certificates to operate laboratories, workshops, and test-facilities at DTU and TU Delft.

2019 — Certificate. Radiation and safety at X-ray installations, issued by FORCE Technology.

2017 — Qualified to operate robot production cell for Ariane 6 Space flight hardware, issued by GKN Aerospace Engine Systems Sweden.

2017 — Occupational Health and Safety Training in Welding and Thermal Cutting, § 17 training course.

2015 — Danish Driving License B and BE, and Danish Speedboat license.

2015 — Qualified swim coach, issued by Dansk svømmeunion.

2013 — Team Denmark elite swimmer. Qualified to be among the best elite swimmers in Denmark.