

Finnur Mauritz Einarsson

M.Sc. Mechanical Engineering student - Industrial Fluid Mechanics

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📅 20th Dec 2000

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EDUCATION

M.Sc. Mechanical Engineering

🏛 Technical University of Denmark 📅 2022 – 2024 (expected)

- Currently on my first semester
- Course focus on fluid- and thermodynamics as well as energy engineering

EXPERIENCE

Rio Tinto, Isal

Iceland, Hafnafjörður (2022)

- Safety data analysis
 - Excel
 - VBA (Visual Basic Analysis)
 - Microsoft Power Bi
- Design of simple graphical user interfaces within Excel for macro's ease of use
- HSE (Health-Safety-Environment) report processing

Formula Student, Team Spark

Iceland, Reykjavík (2019 - 2022)

- Project Manager (2021 - 2022)
 - Management of all projects involving the design and production of a Formula Student race car.
- Head of Aerodynamics (2019 - 2020)
 - Design of aerodynamic devices
 - back wing angle optimization using CFD (Ansys Fluent)
 - Carbon fiber fabrication of parts
 - CNC machining of parts and molds

Zerobars ehf.

Iceland, Reykjavík (2021)

- Co-founder
- Startup company, focused on development of sports goods with a patent pending
- Funding of 68.000 € received for further development.
- I have since sold my part of the company for a small profit

OTHER PROJECTS AND COURSES

Mechatronics

In this course, we learned to control mechanical devices with software. We mostly used **Arduino** controllers and **RaspberryPi** micro-Computers. For this course we did two significant projects: A robot that feeds soup and a mushroom cultivating environment. Both projects involved using and designing mechanical objects. Such as: fans, humidifiers, moving belts and motors. These were controlled using various sensors.

LANGUAGES

Icelandic
Mother tongue

English
Fluent

Danish/Norwegian/Swedish
Limited Working

German
Elementary

B.Sc. Mechanical Engineering

🏛 University of Iceland 📅 2019 – 2022

- Course focus on thermodynamics and mechanical systems
- Extra curricular Formula student work with focus on aerodynamics

Rannís Innovation Project

Iceland, Reykjavík (2021)

- Project funded by Rannís for the development of a product, an invention by me and two business partners
 - Rapid prototyping using CAD, 3D-printers and carpentry for silicone product development
 - EVA-foam vacuum forming
- Study of the effects the silicone product has on vibrations carried into the user
 - Measuring vibrations using accelerometers, raspberry-pi and python programming
 - Processing vibrational data using python-programming
- Company founded on the basis of the study and a patent for the product is in process
 - Zerobars ehf.

The Prime Ministry of Iceland

Iceland, Reykjavík (2020)

- Processing of sensitive Legal documents and material

The QR code to the right links to my personal website, detailing a few of my projects from my studies at The University of Iceland. This website also contains a link to my LinkedIn profile.

