

Markus Andreas Otsmaa

📍 Eindhoven, Netherlands

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Profile

As a mechanical engineering student at TU/e, I combine technical curiosity with the mindset of a professional athlete. I'm highly driven, goal-oriented, and committed to strong teamwork. With a high average grade of 8.2/10, I pair academic performance with a very high stress tolerance. I am interested in how emerging technologies in defense and manufacturing can be applied to create safer, more reliable, and more efficient systems.

Education

Mechanical Engineering, BSc

Eindhoven University of Technology

09/2024 – Present | Eindhoven, Netherlands

High School

Tallinn Secondary School of Science

09/2021 – 06/2024 | Tallinn, Estonia

Middle School

Tallinn 21st School

09/2012 – 06/2021 | Tallinn, Estonia

Courses

Dynamics and Control of Robotics Systems

Eindhoven University of Technology

Mechatronic design

Eindhoven University of Technology

Control of a Flexible Robot System

Eindhoven University of Technology

Multipled Robot

Eindhoven University of Technology

Solid Mechanics

Eindhoven University of Technology

Certificates

- Certified SolidWorks Associate (March 2026)
- Cambridge Advanced English, C2 (April 2024)

Projects

09/2022 – 05/2023

Generative Design in The Automotive Industry

Case Study, High School Thesis

Case study researching the past, current, and future applications of generative design in the automotive industry and quantifying the benefits using a small-scale replica to simulate weight reduction in important unsprung elements of the vehicle

Skills

CAD

- SolidWorks (CSWP in progress)
- SiemensNX
- Fusion360

Generative Design

- Fusion360

Programming

- Matlab
- Simulink
- Python

FEA

- MarcMentat
- Fusion360

Languages

Estonian

Native

English

C2

References

Andreas Vasarik, IGCSE Teacher, Collège du Léman

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