

FREDERIK EICHLOHN

STUDENT/MECHATRONICS AND INFORMATION TECHNOLOGY/ AUTONOMOUS SYSTEMS AND AI

CONTACT

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Zähringerstraße 4
76131 Karlsruhe

EDUCATION

Since 2025

KARLSRUHE INSTITUTE OF TECHNOLOGY

- Master of Science
- Mechatronics and Information Technology - autonomous systems and AI

2020 - 2024

HAMBURG UNIVERSITY OF TECHNOLOGY

- Bachelor of Science
- General Engineering Science - Mechanical Engineering (2.6)

SKILLS

- MS Office
- Python (incl. AI frameworks)
- Linux, Git/Github, ROS2, CI/CD
- CAD (Inventor and Creo)
- Matlab/Simulink
- Manufacturing (turning, CNC milling, soldering, general metalworking)

LANGUAGES

- German (native language)
- English (fluent)

OTHER

- Driving licence class B

PROFILE

Mechatronics student with solid knowledge in mechanical engineering, machine learning and Python software development. Through internships and working student jobs in the development of automated test benches, I bring experience from an engineering environment. Looking for a HiWi position (student assistant) to help develop practical technical solutions, contribute my knowledge and further expand my skills.

WORK EXPERIENCE

Löwenstein Medical Technology GmbH JAN 2024 - SEPT 2024
Intern and working student - Quality management

- Design and programming of automated test benches
- Implementation using C++, Arduino, Python

Möllering Gummi - und Kunststofftechnik GmbH Oct - Dec 2023
Intern

- Fundamentals of metal and plastics processing
- Fixture construction for production

DLR School Lab TUHH Sept. 2021 - Aug 2023
Student assistant

- Teaching pupils the physical fundamentals of flight physics
- Sparked pupils' interest in technology and aviation

ECE GmbH Sept. 2018
School intern

- Insights into the profession of a construction draughtsman
- Fundamentals of technical drawing, AutoCAD, Sketchup

Hamburger Hochbahn AG Sept. 2016
School intern

- Insights into the profession of an electronics technician
- Fundamentals of electronics (soldering, PCB design)

ATTACHMENTS

- Transcript of records, Master's programme