

# Lukas Probst

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## EDUCATION

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### Karlsruhe Institute of Technology

*MSc in Computer Science*

- Expected graduation: 2026

2024 – Present

Karlsruhe, Germany

### ETH Zurich

*Exchange Semester*

- Grade: 5.5/6
- Relevant courses: Human Computer Interaction, Wireless Networking and Mobile Computing

Sep 2022 – Feb 2023

Zurich, Switzerland

### Karlsruhe Institute of Technology

*BSc in Computer Science*

- Thesis: Improving Robustness in Human Activity Recognition: Shared-Specific Feature Modeling for Missing Modalities
- Relevant courses: Advanced AI, Introduction to Machine Learning, Mobile Robots, Algorithms for Planar Graphs, Operating Systems, Software Engineering I

2019 – 2024

Karlsruhe, Germany

### Krupp-Gymnasium

*Abitur*

- Core subjects: English, Mathematics, Geography (bilingual), Computer Science
- Awarded first prize in the 61st European Competition (Europäischer Wettbewerb)

2011 – 2019

Germany

## WORK EXPERIENCE

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### Karlsruhe Institute of Technology

*Research Assistant*

- Built a tool to predict dementia at an early stage based on speech data
- Explored and analyzed a new HAR (Human Activity Recognition) dataset to derive data insights and patterns

Jun 2023 – May 2024

Karlsruhe, Germany

### Fraunhofer IOSB

*Software Engineer Intern*

- Built an application to detect immersion states (flow) based on psychophysiological measurements

Nov 2021 – Apr 2022

Karlsruhe, Germany

### E.ON

*HR IT Governance Intern*

- Performed process automation of cloud-based services
- Conducted research on various topics such as robotics for HR
- Created user support content with a new software solution

Jul 2019 – Aug 2019

Essen, Germany

## PROJECTS

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### KIT Autonomous Learning Robots

*Integration of Real and Simulated ALOHA Robots Using Imitation Learning Techniques*

- One semester of development using Python

2024

### KIT Mobile Computing and Internet of Things

*BLE App for OpenEarable*

- One month of development using Flutter

2023

### VIScon Hackathon Zurich

*Anti-Foodwaste App for VSETH Events*

- Three days of development using Python, Flask, JS and SQL

2022

### KIT Mobile Robots

*Obstacle Course Challenge*

- Two weeks of development using C

2021

## SKILLS & INTERESTS

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**Languages:** German (native), English (fluent, C1 IELTS), French (DELF A2)

**Programming Languages:** Python, C, C++, Java, JavaScript, SQL

**Technologies:** Linux, Git,  $\text{\LaTeX}$

**Societies:** German Informatics Society

**Interests:** Machine Learning, Piano, Chess, History, Economics