

Lukas Probst

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EDUCATION

Karlsruhe Institute of Technology

MSc in Computer Science

2024 – Present

Karlsruhe, Germany

- Expected graduation: 2027
- Rolling Average Grade: 1.1/1.0

ETH Zurich

Visiting Student

Sep 2022 – Feb 2023

Zurich, Switzerland

- Grade: 5.5/6.0
- Relevant courses: Human Computer Interaction, Wireless Networking and Mobile Computing

Karlsruhe Institute of Technology

BSc in Computer Science

2019 – 2024

Karlsruhe, Germany

- 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

Krupp-Gymnasium

Abitur

2011 – 2019

Germany

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

WORK EXPERIENCE

Porsche AG

Data Science Intern

Apr 2025 – Sep 2025

Weissach, Germany

- AI for Vehicle Safety

Karlsruhe Institute of Technology

Research Assistant

Jun 2023 – May 2024

Karlsruhe, Germany

- 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

Fraunhofer IOSB

Software Engineer Intern

Nov 2021 – Apr 2022

Karlsruhe, Germany

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

E.ON

HR IT Governance Intern

Jul 2019 – Aug 2019

Essen, Germany

- 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

PROJECTS

KIT IRL: Explainable Artificial Intelligence <i>Explaining Robot Action Predictions Using Graph Embeddings in Imitation Learning</i> <ul style="list-style-type: none">• One semester of development using Python	2025
KIT ALR: Autonomous Learning Robots <i>Integration of Real and Simulated ALOHA Robots Using Imitation Learning Techniques</i> <ul style="list-style-type: none">• One semester of development using Python	2024
KIT Mobile Computing and Internet of Things <i>BLE App for OpenEarable</i> <ul style="list-style-type: none">• One month of development using Flutter	2023
ETH Zurich Project Work <i>Visible Light Communication (VLC) based Chat Application</i> <ul style="list-style-type: none">• Developed a VLC-based chat application, enabling text transmission via LED lights• Implemented using Python and supported by relevant hardware interfaces for VLC technology	2022
VIScon Hackathon Zurich <i>Anti-Foodwaste App for VSETH Events</i> <ul style="list-style-type: none">• Three days of development using Python, Flask, JS and SQL	2022
KIT Mobile Robots <i>Obstacle Course Challenge</i> <ul style="list-style-type: none">• Two weeks of development using C	2021

SKILLS & INTERESTS

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

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

Technologies: Linux, Git, L^AT_EX

Societies: German Informatics Society

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