

Lukas Probst

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EDUCATION

Karlsruhe Institute of Technology <i>MSc in Computer Science</i> <ul style="list-style-type: none">Expected graduation: 2026	2024 – Present <i>Karlsruhe, Germany</i>
University of Zurich/ETH Zurich <i>Exchange Semester</i> <ul style="list-style-type: none">Grade: 5.5/6Relevant courses: Human Computer Interaction, Wireless Networking and Mobile Computing	Sep 2022 – Feb 2023 <i>Zurich, Switzerland</i>
Karlsruhe Institute of Technology <i>BSc in Computer Science</i> <ul style="list-style-type: none">Thesis: Improving Robustness in Human Activity Recognition: Shared-Specific Feature Modeling for Missing ModalitiesRelevant courses: Advanced AI, Introduction to Machine Learning, Mobile Robots, Algorithms for Planar Graphs, Operating Systems, Software Engineering I	2019 – 2024 <i>Karlsruhe, Germany</i>
Krupp-Gymnasium <i>Abitur</i> <ul style="list-style-type: none">Core subjects: English, Mathematics, Geography (bilingual), Computer ScienceAwarded first prize in the 61st European Competition (Europäischer Wettbewerb)	2011 – 2019 <i>Germany</i>

WORK EXPERIENCE

Karlsruhe Institute of Technology <i>Research Assistant</i> <ul style="list-style-type: none">Built a tool to predict dementia at an early stage based on speech dataExplored and analyzed a new HAR (Human Activity Recognition) dataset to derive data insights and patterns	Jun 2023 – May 2024 <i>Karlsruhe, Germany</i>
Fraunhofer IOSB <i>Software Engineer Intern</i> <ul style="list-style-type: none">Built an application to detect immersion states (flow) based on psychophysiological measurements	Nov 2021 – Apr 2022 <i>Karlsruhe, Germany</i>
E.ON <i>HR IT Governance Intern</i> <ul style="list-style-type: none">Performed process automation of cloud-based servicesConducted research on various topics such as robotics for HRCreated user support content with a new software solution	Jul 2019 – Aug 2019 <i>Essen, Germany</i>

PROJECTS

KIT 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 lightsImplemented 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, \LaTeX

Societies: German Informatics Society

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