

LORENZ LUKAS ADAM

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EDUCATION

M.Sc. in Applied Mathematics

Apr. 2025 – Present

Karlsruhe Institute of Technology (KIT)

- Application Subjects: Computer Science and Electrical Engineering
- Expected Graduation: September 2027
- Current GPA: 1.0 (German grading scale)

B.Sc. in Mathematics

Oct. 2020 – Mar. 2025

Karlsruhe Institute of Technology (KIT)

- Bachelor Thesis: Simulation of a Light-Wave in Material with time-varying Resonance Frequency
- GPA: 1.9 (German grading scale)

B.Sc. in Physics

Oct. 2019 – Sep. 2020

Karlsruhe Institute of Technology (KIT)

European Baccalaureate

Sep. 2006 – Jul. 2018

European School Frankfurt

PROFESSIONAL EXPERIENCE

Battery Development Intern

Mar. – Sep. 2025

Stihl Holding AG & CO. KG, Waiblingen

- Modeled batteries using Equivalent Circuit Models (ECM)
- Measured impedance spectra and assembled experimental cells to analyze batteries
- Developed tests for a battery analysis tool

Workshop Intern – S-Bahn

Mar. – Apr. 2019

DB Regio AG, Frankfurt

- Maintenance and repair of trains

Turbo Charger & Diagnostic Systems Intern

Jan. 2019

Schenck RoTec GmbH, Darmstadt

- Creation of simple CAD components
- Assisted with pre-delivery acceptance tests

Waiter

Nov. 2018 – Feb. 2019

Mise en Place Germany GmbH, Frankfurt

OTHER SKILLS AND INTERESTS

Technical Skills: MATLAB, basic knowledge of Python, R and Java

Languages: German (native), English (C1), Spanish (A2-B1)

Hobbies: Club soccer (since age six), guitar, sailing