

# 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