



Konrad Appel



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www.linkedin.com



Date of birth: 10.11.1996; Place of birth: Eckernförde



German (native speaker), English (fluently)



Python, Git, Qt/PyQt, SQL, Access, MS Office, TensorFlow, scikit-learn, PyTorch, VS Code, R, ...



independent, committed, team player, creative, communicative, resilient

Education

10/2021-
10/2024

MSc student in Information Systems at the Karlsruhe Institute of Technology (KIT)
(current grade: 1.8)

- **Main focus:** Data Science, Machine Learning, Artificial Intelligence
- **Master thesis:** Combining Activity and Mobility Data to Enhance Data-Driven Household Energy Demand Models in Energy Systems
- **Project:** Smart Meter & Heat Pump Data Analysis for Smart Grids
Prediction of energy demand for the next 24h using ML techniques.

10/2017-
09-2021

BSc Industrial Engineering at the Karlsruhe Institute of Technology (KIT)
(grade 2.3)

- **Bachelor thesis** (grade 1.3): Development of a visualization and analysis tool for a screw test bench.
- **Main focus:** Computer Science, Operations Research, Data Management

08/2003-
07/2016

Freie Waldorfschule Eckernförde
General university entrance qualification (grade 2.4)

Work experience

05/2023-
01/2024

Working student at Forschungszentrum Informatik (FZI)
Research Assistant in the area of Digital Democracy

11/2021-
11/2023

Working student at PTV Group
Data Analyst for Public Transport at PTV **Transport Consulting GmbH**

06/2020-
09/2020

Internship at Porsche AG
four months in the project management bodywork series 718/911.

- Introduced Microsoft Teams, enhancing team collaboration during the early COVID-19 phase
- Assisting the technical consultants in the operative business and in individual projects

06/2014-
07/2014

Internship at HUF UK
in the quality assurance of car parts, in Birmingham, England

11/2013-
09/2016

Wine bar
waiter and wine consultant and kitchen staff

Volunteering

02/2021-
10/2021

Corona testing in a nursing home
Testing of staff and visitors for the Corona virus (Badischer Landesverein Haus Karlsruher Weg)

09/2016-
09/2017

Volunteer Service in Cape Town, South Africa at Zenzeleni School

- School from grade 1 to 7
- substitute teacher, physical education teacher and soccer coach
- Organization: Center for Creative Education
- Driver: Freunde der Erziehungskunst Rudolf Steiner e.V.

02/2012-
09/2016

Swimming coach at Eckernförder MTV for youth (8-14 years)

- Instructor C-License (mass sports)

06/2013-
11/2013

Math tutoring
for elementary school students