Moritz Jarosch

23.10.1998
moritzjarosch.de

EDUCATION	*M.Sc. Information Systems*	Spring 2022 - expected 2024

Karlsruhe Institute of Technology (KIT)

B.Sc. Information Engineering and Management   Fall 2017 - Spring 2022
Karlsruhe Institute of Technology (KIT)

(B.Eng. Mechatronics)   Fall 2016 - Fall 2017
UAS Ulm

School   2008 - 2016
Albert-Einstein-Gymnasium Ulm

EXPERIENCE   *Research Assistant*   Spring 2022 - today
Forschungszentrum Informatik (FZI);

- Continuing research on topics related to my bachelor thesis: "Clustering of Trafic Scene Graphs using (Variational) Autoencoders"
- Mainly focused on Graph Learning applied to traffic scenes. Topics include: Representation Learning, Graph Generation, Graph Autoencoders

Internship   Spring 2020 - Summer 2020
Wieland Werke AG; Statistical Data Analysis

- Conducting Data Science Projects (whole CRISP-DM cycle), for example to predict energy usage of furnaces based on machine state and production planning
- Internal lectures about Data Science and Machine Learning

Working Student   Spring 2019 - Fall 2019
Hinte Marketing & Media GmbH; IT

- Usability Evaluation
- Research, Assessment and Implementation of various IT-Systems
- Reportings
- Assistance in planning a new tool for selling expo area

PROJECTS   *Formula Student*   Fall 2016 - Fall 2017
Einstein Motorsport; Team Aerodynamics

- Development, Simulation, Production and Testing of the rear aero components
- Defending the design at the design report of Formula Student Austria and presenting the business plan

Sparrow   2015 - 2016
Development of an electric longboard using a novel, more intuitive control scheme

- Conception, Hardware Design, Software Development
- Financially supported by the Baden-Württemberg-Stiftung
- Jugend Forscht Participation; Regional Winner "Technology", Price for product development from IPEK at KIT at the state competition
- Internship at IPEK

Tech   Python, C++, Java, Pandas, Scikit-learn, Keras, Pytorch, Knime, SQL, OpenCV, LaTeX, ...