

Simon Klug

Curriculum Vitae

Kaiserstraße 117
76133 Karlsruhe
✉ simon@simonklug.de
📄 [simon-klug](#)



Education

- 10/19 – 11/21 **Electrical Engineering and Information Technology**, Master of Science
Karlsruhe Institute of Technology
- Focus: Deep Learning, NLP, Data Literacy and Artificial Intelligence
- Master thesis: Learner-centered code assessment - An NLP approach towards better Education
- Additional qualification: Trainer qualification of the Karlsruhe Chamber of Industry and Commerce
- Expected final grade: 1,6 (Nov 2021)
- 10/14 – 10/18 **Electrical Engineering and Information Technology**, Bachelor of Science
Karlsruhe Institute of Technology
- Bachelor thesis: Efficient anomaly detection in vehicular communication networks with self-learning ensemble-based algorithms
- Focus: Machine Learning, Applied Information Theory

Work Experience

- since 06/21 **Freelance Trainer, Coach and Consultant**
Simon Klug | AI Education and Consulting, Karlsruhe
- Training and consulting on Artificial Intelligence with focus on SMEs
- Coach of the qualification program on Artificial Intelligence by the Fraunhofer IAO
- Data Engineering and Analytics for time series
- 10/20 – 05/21 **Scientific Assistant**
Forschungszentrum Informatik, Karlsruhe
- Generative methods for data augmentation in the domain of autonomous driving
- Automatic generation of road signs into existing driving scenes as a web framework
- 09/19 – 06/20 **Design Thinker**
Karlsruhe Service Research Institute, Karlsruhe, Dublin, Hefei
- Innovation project in cooperation with Trinity College Dublin and TRUMPF GmbH
- Customer-oriented advancement of an indoor localization system
- 11/18 – 10/19 **PreMaster**
Robert Bosch GmbH - Digital Transformation, Stuttgart, Linz
- Full-stack developer for artificial intelligence
- Experience in agile work with Scrum. Scrum Master & Agile Coach for eight students
- Development of the workshop program Python4Managers with more than 100 participants, teaching managers about digital transformation and coding culture
- Development of web services for image processing & - classification and text recognition
- 01/17 – 11/18 **Scientific Assistant**
Karlsruhe Institute of Technology - Institut für Technik der Informationsverarbeitung
- Machine learning for anomaly detection on automotive CAN-BUS

Skills

- IT
 - Python (scikit-learn, flask, PyTorch, Transformers, ...) - very good
 - Webdevelopment & -design (HTML, JavaScript, ...) - good
 - Linux server administration (docker, kubernetes, ...) - good
- Languages
 - German - native speaker
 - English - very good (C1)
 - Spanish - basic knowledge
- Management
 - Professional Scrum Master I (PSMI) from scrum.org
 - Basic Certificate Project Management (GPM)

Further Experience

- since 05/20 **Ensemble Member**
Improtheater Karlsruhe
 - Regular training and performances
- 07/16 - 11/21 **Project Manager**
UniTheater Karlsruhe e.V.
 - Board of the association (18/19, 20/21), production management (2017 – 2019)
 - As workshop department responsible for the coordination and execution of theater educational workshops
 - Leader at weekly theater workshops
 - Performer at productions of the Staatstheater Karlsruhe
- 05/15 – 11/21 **Student Representative**
Student Council for Electrical Engineering and Information Technology, Karlsruhe
 - Student council member (16/17) and member of the study commission (2016 – 2021)
 - Representation of students to the faculty, improvement of teaching quality
 - Facilitation of meetings and team workshops
- since 10/12 **Trainer**
Sail Training Ship Thor Heyerdahl, Kiel
 - Conducting experiential educational voyages for young people on the North and Baltic Sea
 - 7-month cruise to Central America and back
- 06/17 **Volunteer management & organization**
Unifest, Karlsruhe
 - In the run-up, responsible for the management of more than 500 volunteers
 - As part of the organization team responsible for overall coordination & procedure

Awards, Scholarships and Talks

- 2021 **Speaker**, Flash introduction to NLP, University:Future Festival, Berlin
- 2021 **Scholarship**, Leadership Talent Academy, Karl-Schlecht Stiftung, Karlsruhe
- 2021 **Science Slam**, Driving School for Autonomous Cars, Audience Award FameLab, Karlsruhe
- 2020 **Scholarship**, 100 AI Talents for Germany, Fraunhofer IAO, Stuttgart
- 2019 **Award for outstanding dedication**, Karlsruhe Institute of Technology
- 2018 **Science Slam**, Pirates, wooden legs and modern car technology, Stuttgart, Karlsruhe