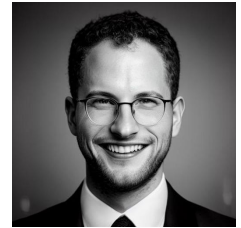


Simon Heilig

Final year student in M.Sc. Data Science at
Friedrich-Alexander University Erlangen Nuremberg



EDUCATION

- SINCE APR. 2022 **M. Sc. Data Science** Friedrich-Alexander University Erlangen-Nürnberg
Specialization: Machine Learning, Artificial Intelligence
Minor: Stochastics
Current Grade: 1.3
- MAR. 2021 **B. Eng. Computer Science** UAS Würzburg-Schweinfurt
Thesis: “Analysis and Revision of the MEKA Matrix Approximation Approach”
Advisors: Prof. Dr. Frank-Michael Schleif, M. Sc. Maximilian Münch
Final Grade: 1.1

PROFESSIONAL EXPERIENCE

- SINCE APR. 2023 **Student Research Assistant** Friedrich-Alexander University Erlangen-Nürnberg
Image Data Exploration and Analysis Lab (Prof. Kainz)
- OCT. 2022 -
MAR. 2023 **Student Teaching Assistant** Friedrich-Alexander University Erlangen-Nürnberg
Lecture on stochastic modeling at the Chair for Stochastics (Prof. Krüger)
- MAY 2021 -
NOV. 2021 **Research Assistant** UAS Würzburg-Schweinfurt
Full-time research assistant at the Computational Intelligence working group (Prof. Schleif); Supported by: ESF (WiT-HuB 4/2014-2020), project KI-trifft-KMU
- DEC. 2019 -
SEP 2022 **Student Teaching and Research Assistant** UAS Würzburg-Schweinfurt
Assisting the Computational Intelligence working group (Prof. Schleif) in the field of indefinite learning; Developing a SMO based QP solver for general constraints in Python; Teaching assistant for applied numerics
- DEC. 2018 -
FEB. 2020 **Student Backend Developer** Plunet GmbH
Part-time working student and full-time intern (six months) as a Java backend developer in an agile Scrum team; Developed new features with Spring and Hibernate; Responsible for data imports and their automation with Java

PUBLICATIONS

- Heilig, Simon**, Maximilian Münch, and Frank-Michael Schleif. Memory efficient kernel approximation for non-stationary and indefinite kernels. In *International Joint Conference on Neural Networks, IJCNN 22, Padova, Italy, 2022*.
- Maximilian Münch, **Heilig, Simon**, and Frank-Michael Schleif. Multi-perspective embedding for non-metric time series classification. In *29th European Symposium on Artificial Neural Networks, ESANN 2021, Bruges, Belgium, 2021a*.
- Maximilian Münch, **Heilig, Simon**, Philipp Väth, and Frank-Michael Schleif. Scalable embedding of multiple perspectives for indefinite life-science data analysis. In *IEEE Symposium Series on Computational Intelligence, IEEE SSCI 2021, Orlando, Florida, USA, 2021b*.

AWARDS AND SCHOLARSHIPS

2023	DAAD-PROMOS Travel Scholarship
2022	Hans-Wilhelm Renkhoff Award for Outstanding Bachelor Thesis
2019	Max Weber-Program Scholarship of the Federal State of Bavaria
2018	Scholarship of the Federal Government of Germany