STEFAN FRISCH

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CARRER

Data Scientist (Mercedes-Benz) *Apr 2024 - Present*
- Development of Sales Scenario Simulation

Computer Vision Research Assistant (Helmholz Institute) *Jan 2024 - Apr 2024*
- Skin cancer detection 3% improvement over SOTA (https://github.com/hlzl/scaling-laws-ecnn)
- Low data performance increased by 5% and robustness to domain shift by 10% with new Equivariant Convolutional Neural Networks

Natural Language Processing Research Assistant (TU Munich) *Dec 2022 - Apr 2023*
- Survey article in RANLP-2023 on explainable AI in NLP in the context of LLMs
- Detecting ChatGPT: A Survey of the State of Detecting ChatGPT-Generated Text (https://arxiv.org/abs/2309.07689)

Machine Learning Engineer - Project Lead (Infineon) *Oct 2022 - Dec 2022*
- Predictive motor maintenance through anomaly detection leads to a potential 5x cost reduction
- Project lead of the time series analysis student team

Co-Founder (Kiera) *Sep 2022 - Dec 2022*
- Command line code generation tool (https://www.kiera.ai/)
- Explain the command in natural language, and Kiera generates the code

Quality Development (FlixBus) *May 2019 - Oct 2019*
- Improved feeling of passenger safety by 13% through phone usage detection of bus drivers with NLP comment analysis
- Automatic dashboard for quality control of operating partners

EDUCATION

Master Data Engineering and Analytics (TU Munich) *Mar 2021 - Mar 2024*
- Research AI projects (https://ga92xug.github.io/Projects/)
  - Siemens - Automatic Interview Assessment
  - Google founded - Learning World Models by Self-Supervised Exploration
- Grade: 1.6/4.0, Top 12% of class
- Thesis: Scaling Laws for Equivariant Convolutional Neural Networks

Bachelor Computer Science (TU Munich) *Mar 2020 - Mar 2021*
- Development of compiler in Java for introduction to programming
- 120/180 ECTS, Minor mathematics

Bachelor Management and Technology (TU Munich) *Sep 2016 - Mar 2020*
- Grade 1.9/4.0
- Thesis: Natural language processing for financial forecasting

SKILLS

Languages: German (native), English (C2), Spanish (C1)
Programming: Python, Java, R, C++, Spark
Libraries: PyTorch, Lighting, Pandas, Numpy, Linux, Hydra, HuggingFace, NLT, TensorFlow, spaCy
Tools: Linux, Git, Jira
Backend: AWS, GCloud, RestAPI, SQL