Adrian BEER

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SUMMARY: Graduate in Quantitative Finance with a Computer Science background looking for the opportunity to develop and analyze trading systems together with a team.

PERSONAL

- Nationality: German
- Age: 25, born 28.07.1998 in Karlsruhe
- Languages: German (native), English (fluent), Spanish (conversational)

EDUCATION

Quantitative Finance — *Master of Science* <div align="right">OCTOBER 2021 - PRESENT</div>

Christian-Albrechts-Universität zu Kiel (CAU)
- Master's Thesis (ongoing): Using BERT to Predict Intra-day Stock Returns via Financial News Sentiment

Computer Science — *Master of Science* <div align="right">APRIL 2021 - OCTOBER 2021</div>

Karlsruher Institut für Technologie (KIT)
- Specialization in Data Science and Finance
- Did not finish

Computer Science — *Bachlor of Science* <div align="right">OCTOBER 2016 - APRIL 2021</div>

Karlsruher Institut für Technologie (KIT)
- Bachelor's Thesis: Automated Model Selection for Energy Time Series Forecasting: An Enhanced Meta-Learning Approach
- Final grade: 1.9

WORK EXPERIENCE

Vattenfall Energy Trading GmbH — *Working Student* <div align="right">OCTOBER 2022 - OCTOBER 2023</div>

- Pattern Detection and Time Series Forecasting
- Preprocessing and Visualizing Data in Streamlit Dashboards
- Designing and Training Non-Linear Models
- Market- and Infrastructure Analysis of Gas and Energy in the US

Steinbuch Centre for Computing (SCC) — *Research Assistant* <div align="right">JUNE 2018 - JUNE 2019</div>

- Development of a Data Movement Daemon for High Performance Computing Systems using Python

SKILLS & PROGRAMMING EXPERIENCE

Main Programming Language — *Python* -

- Backtesting Trading Strategies (i.a. with backtrader)
  Data Science/ Machine Learning (scikit-learn, pandas, numpy, statsmodels)
  Deep Learning (pytorch, lightning)
  Parallel & Distributed Computing (dask, coiled, multiprocessing)
  Webscraping (selenium)
  Dashboards (streamlit, flask)

Software Developement — *Other* -

- R: Machine Learning, Advanced Time Series Analysis, Predictive Modeling
- Version Control: Git
- Distributed Computing: Docker+Kubernetes, SLURM, Google Cloud Computing

CERTIFICATES & ONLINE COURSES

- Excel Skills for Data Analytics and Visualization (Macquire University, Coursera)
- Neural Networks and Deep Learning (Deeplearning.ai, Coursera)