Noah Schlenker

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○ [noahpy](#)

Education

M.Sc. Mathmatics in Data Science   *Oct 2025 – Oct 2027*
Admitted   *Technical University of Munich*

B.Sc. Informatics   *Oct 2021 – May 2025*
GPA: 3.6 (US), 1.6 (GER) — Minor: Mathematics   *Technical University of Munich*

High school diploma (Abitur)   *Sep 2013 – Jul 2021*
GPA: 3.9 (US), 1.1 (GER)   *IKG Leinfelden*

Work / Research Experience

Bachelor's thesis   *Oct 2024 – Feb 2025*
Chair of Scientific Computing, TUM — Grade 100%   *Munich, GER*

- Research on node-level parallelization of high-fidelity molecular dynamics simulations
- Efficient framework on multi-node simulator, demonstrating novel parallelization methods

Tech Stack: C++, C, Slurm linux cluster, Paraview, MPI — *Links*: [Thesis](#)

Research Intern at "AI Factory Bavaria"   *Feb 2024 – Aug 2024*
Chair of Robotics, Artificial Intelligence and Real-Time Systems, TUM   *Munich, GER*

- Research on task and motion planning of mobile base + manipulator robots
- ROS-package for combined motion planning yielding up to double motion efficiency

Tech Stack: ROS, C++, MoveIt, Rviz, Ubuntu — *Links*: [AI Factory Bavaria](#)

Software Engineer Working Student   *Dec 2022 – Jul 2023*
Entrix Energy   *Munich, GER*

- Architecting optimized algo-testing service using historic energy market behaviour
- Facilitated revenue forecasting and optimized development of the trading algorithm

Tech Stack: AWS, Python, Typescript — *Links*: [Entrix Energy](#)

Extracurricular Activities

Project: Quantitive Trading using ML models   *Apr 2025 - Present*

- Fetch data from Bybit API, retrieve features, train models and backtest / live mock trade strategies
- Trained transformer model on predicting midprice with 75% trend accuracy

Tech Stack: Pytorch, Numpy, Bybit — *Links*: [GitHub](#)

Project: Pytorch toolkit   *Jul 2025 - Present*

- Python package for seamless training, evaluation and visualization using Pytorch
- Significant code reduction and efficient hyperparameter tuning

Tech Stack: Pytorch, Numpy — *Links*: [GitHub](#)

Network / System Administrator   *Apr 2024 - Present*

- Implementing / maintaining services within dormitory: dorm management sofware, cloud storage, WPAs

Skills

Programming Languages	C++, Python, C, Java, Dart, Go, JS, TS, OCaml
Expertise and Tools	Machine Learning, Optimization, AWS, Design Patterns, Probability Theory, Linear Algebra, DBMS, Numeric Programming, Energy Sector
Languages	Fluent in German, Japanese and English

References available upon request