

Tjark Sievers

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Experience

altona diagnostics Software Application Engineer	Since 9/2025
PHYSnet, University of Hamburg Student employee	11/2021 - 3/2024
3S/HiTeC e.V. IT support	5/2019 - 9/2021
Musikakademie Alteglofsheim Volunteer service in culture and education	9/2017 - 8/2018

Education

M.Sc. Physics , University of Hamburg - Grade: passed with distinction • 4/2024 - 7/2024: Stay at Uppsala University	2025
B.Sc. Physics , University of Hamburg - Grade: 1.47	2022
Abitur , Werner-Heisenberg-Gymnasium - Grade: 1.5	2017

Projects

saboga (Python, FastAPI, MongoDB, React, TypeScript)

saboga.tjarksievers.de

- Full-stack web app for exploring data from BoardGameGeek
- Collects and analyzes data on 30,000 ranked games and 9 million historic user ratings
- Backend built with FastAPI and MongoDB for efficient data ingestion and querying
- Frontend built with React for data exploration

quant-met (Python)

github.com/Ruberhauptmann/quant-met

- Software package to study superconductivity in flat-band and multiband lattice systems
- Used to run parallelized parameter scans on the PHYSnet compute cluster
- Fully tested with extensive unit and regression tests

Skills

Languages: Python, Rust, JavaScript, Bash

Web Development: Django, FastAPI, HTML/CSS, React

DevOps: Docker, GitLab CI/CD, GitHub Actions, Grafana

Databases: MongoDB, MariaDB/MySQL, PostgreSQL