

Tjark Sievers

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Education

M.Sc. Physics , University of Hamburg - Grade: passed with distinction	2025
<ul style="list-style-type: none">• 4/2024 - 7/2024: Stay at Uppsala University• Thesis: Superconducting Phase Stiffness and Coherence Length From a Finite Momentum Pairing Constraint	
B.Sc. Physics , University of Hamburg - Grade: 1.47	2022
Abitur , Werner-Heisenberg-Gymnasium - Grade: 1.5	2017

Experience

PHYSnet, University of Hamburg	11/2021 - 3/2024
Student employee	
<ul style="list-style-type: none">• Managed IT hardware inventory (PCs, laptops, monitors), including intake, labeling, and distribution• Designed and developed a Django-based web application to automate asset management workflows, reducing manual effort and errors• Containerized the application with Docker and implemented CI pipelines in GitLab for streamlined deployment and testing• Provided user support for the Physnet compute cluster, assisting researchers with job submissions, software environments, and troubleshooting	
3S/HiTeC e.V.	5/2019 - 9/2021
IT support	
<ul style="list-style-type: none">• Delivered first and second-level IT support for 150 schools with around 15,000 devices• Acted as Change Manager for on-site IT infrastructure upgrades and rollouts• Installed and maintained Linux servers (Ubuntu) and clients (Xubuntu, Windows 10)• Built and deployed custom Linux images and automated installation processes with Ansible and Docker	
Musikakademie Alteglofsheim	9/2017 - 8/2018
Volunteer service in culture and education	

Schools and Conferences

Autumn school on correlated electrons , Jülich	9/2024
Poster: Superconducting Phase Stiffness and Coherence Length From a Finite Momentum Pairing Constraint	

Skills

Languages: Python, C++, Bash
Web Development: Django, FastAPI, HTML/CSS, React
DevOps: Docker, GitLab CI/CD, GitHub Actions, Ansible, Grafana
Databases: MongoDB, MariaDB/MySQL