Curriculum Vitae - Tjark Sievers

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Education

M.Sc. Physics — Since 10/2022
University of Hamburg — Hamburg
4/2024 - 7/2024: Stay at Uppsala University for master's thesis

B.Sc. Physics — 7/2022
University of Hamburg — Hamburg

Abitur — 7/2017
Werner-Heisenberg-Gymnasium — Heide

Employment

Student employee — 11/2021 - 3/2024
PHYSnet, University of Hamburg — Hamburg

Research assistant — 9/2023 - 10/2023
Dr. Thore Posske, University of Hamburg — Hamburg

IT-Support — 5/2019 - 9/2021
3S/HiTeC e.V. — Hamburg

Volunteer Service in culture and education — 9/2017 - 8/2018
Musikakademie Alteglofsheim — Alteglofsheim

Schools and Conferences Attended

Autumn school on correlated electrons, Jülich — 9/2024
Poster: Superconducting phase stiness and coherence length from a finite momentum pairing constraint

Research Projects

Superconductivity in flat bands — 3/2025
Investigated superconductivity in a Graphene-like system with a flat electronic band
Analyzed the connection between superconducting quantities and quantum geometry
Supervisors: Prof. Annica Black-Schaffer, Prof. Tim Wehling

Technical Skills

Languages: Python, LaTeX
Other: Docker, High-Performance Computing

Software Projects

quant-met (github.com/Ruberhauptmann/quant-met)
Python package to treat superconductivity in multiband systems on a mean-field level