



Sander Stambach

Theoretical Quantum Physicist



Profile

Highly ambitious and ambitious theoretical physicist with a masters degree in quantum physics; well experienced in simulation of quantum systems; ability to work under high pressure; bringing together cognitive abilities and social compatibility.



Work experience

present
↑
2021

Physics tutor

University of Basel

- Taught experimental physics to Bachelor students.
- Held exams.

2017

Marine Biology research project in Belize

Project Abroad

- Collected data on corals and crocodiles.



Extracurricular Activities

present
↑
2022

Humanitary aid in Ukraine

Green Cross

- Fundraising.
- Organized and carried out transport of medical supplies.
- Worked together with the Ukrainian ambassador Artem Rybchenko and Matthias Gering from the University of Basel.
- Supplied affected areas with Spectra water filters.
- Evacuation of refugees and civilian casualties from the active front on both sides of the front line.

2017

Military Service

Swiss Army

- Leopard A2 Driver.



Education

2023
↑
2021

University of Basel

Masters degree in theoretical quantum physics

Achievements:

- Master Thesis: "Violating the thermodynamic uncertainty relation in the three-level maser with a quantized field"
- Final Grade: 1.8

2021
↑
2017

University of Basel

Bachelors degree in physics

2016
↑
2013

Gymnasium Liestal

Focus on Mathematics



Contact



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Skills

- Specialized Knowledge in theoretical and quantum physics
- Programming languages: Python, Fortran, Java, Bash etc.
- Stress Management
- Adaptability
- Teamwork
- Basics in penetration testing



Languages

German

Fluent

English

Fluent

French

Intermediate

Russian

чуть-чуть



Hobbies

- Mixed Martial Arts
- Astrophotography
- Sport shooting
- Skydiving (in education)
- Coding on open-source projects (Linux)
- I like traveling through remote regions, with different cultures.
- I've been to Uzbekistan, Iran, and various other regions in the near and middle East