Boudewijn Bosch

Personal Data

EMAIL:	boudewijn@boudewijnbosch.com
LINKEDIN:	linkedin.com/in/boudewijn-bosch/
WEBSITE:	boudewijnbosch.com

Profile

Mathematician (PhD, computational quantum topology) who turns abstract theory into practical algorithms and maintainable code. Focus on correctness, computational performance, and reproducibility. Quick to adopt Python and numerical tools; motivated to apply analytical problem-solving in quantitative finance. Able to communicate complex ideas clearly to both specialist and non-specialist audiences.

Work Experience

CURRENT
2021

PhD Candidate in Computational Quantum Topology
University of Groningen
- Design and analyze algorithms for fast, reliable computation of complex mathematical objects, with focus on runtime, robustness, and scalability.
- Bridge brute-force experimentation and rigorous theory by validating large-scale computational results against provable structure.
- Organize and lead a research seminar; communicate results to diverse audiences.

CURRENT
2020

Teaching Assistant
University of Amsterdam & University of Groningen
- Teach bachelor's- and master's-level mathematics; explain complex concepts clearly and design/grade assessments,

Education

2021
2018

Double Master Mathematics and Theoretical Physics
University of Amsterdam
GPA: 8.0/10

2018
2015

Double Bachelor Mathematics and Physics
University of Amsterdam
GPA: 8.4/10

Computer Skills

Intermediate:	PYTHON, MATHEMATICA, GIT, LINUX (Arch), LaTeX
Basic:	C++, SQL

Courses and Trainings

2024

Leading Projects Successfully
Training in structured project management, risk analysis, stakeholder communication, and team leadership.
Team Flinck via University of Groningen

Interests and Activities

Stochastics and probability theory, artificial intelligence and machine learning, open-source software and Linux systems

Languages

DUTCH:	Mothertongue
ENGLISH:	Proficient
GERMAN:	Basic Knowledge