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Education

Technical University of Munich

PhD (in progress), Computer Science

10/2025 - present

University Münster

M.Sc. Mathematics, final grade: with distinction (1.0)

04/2023 - 09/2025

Thesis: "Tractable CSPs with Boolean-Temporal Constraints"

Specializations in Mathematical Logic and Algebra. Minor: Computer Science.

University Bonn

B.Sc. Mathematik, final grade: 1.2

10/2019 - 03/2023

Thesis: "Expander-Graphen und Zahlentheorie" (Expander Graphs and Number Theory)

Specializations in Discrete Mathematics and Algebra. Minor: Computer Science.

Kopernikus Gymnasium Bargeheide

Secondary School, Abitur, final grade: 1.0

2011 – 2019

Best of the Year. Prizes of German Mathematical Society, German Physical Society, German Society for Philosophy, Society of German Chemists.

Experience

Research Institute for Discrete Mathematics

Tutor for the lecture "Introduction to Discrete Mathematics"

Bonn
Winter 21/22

Weekly tutorial and correction of exercise assignments

Research Institute for Discrete Mathematics

Tutor for the C++ programming course

Bonn
Winter 20/21

Dräger AG & Co. KGaA

Student internship

Lübeck
2017

Dräger is an international leader in the fields of medical and safety technology.

inovex GmbH

Student internship

Karlsruhe
2017

Inovex is an IT project center focusing on digital transformation.

Contents of the internship: Machine Learning, Scrum, Docker

Helmut Schmidt University

Student internship

Hamburg
2016

Department "Machine Elements and Computer Aided Product Design"

Contents of the internship: Development of a VR-application, CAD

Basler AG

Student internship

Ahrensburg
2016

Basler is a manufacturer of industrial cameras.

Contents of the internship: Computer Vision with Python and OpenCV, Linux

Awards

Scholarship: of the Studienstiftung des deutschen Volkes (German Academic Scholarship Foundation)

Math Olympiad: Participation in federal rounds 2017 and 2019

Bundeswettbewerb Informatik: Prizewinner at the final round 2019

Volunteering

2020: Registered association "Corona School" - Development of user area for learning assistance.

2020 - 2023: Internet tutor of the student self-administration of a dormitory in Bonn.

Interests

Mathematics: Mathematical Logic, Discrete Mathematics, Algebra; Member of the QED e.V.

CS: Theoretical Computer Science, Competitive Programming, Linux, Security

Music: Orchestra (Violin)