

Magnus Saurbier

EDUCATION

10/2022 - 09/2025	Technical University Munich , BSc Mathematics (Minor: Computer Science) • Thesis on Explicit Solvers for Time Integration with Extended Stability Domain – Grade: 1.0, Overall Grade: 1.4 (GPA 3.6, Top 5%)
08/2024 - 12/2024	Nanyang Technological University, Singapore , BSc Mathematics • GPA: 4.88 (Top 1%), ECTS: 30
08/2019 - 06/2022	Boarding School Schloss Hansenberg , Geisenheim, Hesse (School for the promotion of high-achieving and motivated students), Abitur
08/2014 - 07/2019	Albertus Magnus Gymnasium Bensberg , NRW

PROFESSIONAL EXPERIENCE & INTERNSHIPS

10/2025 - 07/2026	Data Science Intern , Battery based electricity trading @ Entrix Energy GmbH • Research and analysis on German electricity markets • Development, testing and monitoring of trading strategies
03/2025 - 07/2025	Bachelor's Thesis , DLR Institute of Robotics and Mechatronics (see above)
04/2024 - 06/2024	Research Intern , DLR Institute of System Dynamics and Control Engineering
02/2021 - 06/2023	Database Developer @ Uscale GmbH • Migration of market research and contact data from MS Excel to a MySQL database and development of a graphical user interface
07/2022	Intern , Neuman & Esser Deutschland GmbH & Co. KG (4 weeks) • Identification of security vulnerabilities in MS VBA macros and automation of copy jobs in Python as an alternative
07/2020	Summer Student , Fraunhofer Institute for Algorithms and Scientific Computing, SCAI (2 weeks) • Algorithms for the numerical solution of linear systems of equations • Cellular automata, cryptography

COMPETITIONS & SCHOLARSHIPS

03/2024 - TODAY	German Academic Scholarship Foundation , Max Weber Program
10/2022 - 09/2025	Deutschlandstipendium , Sponsor: Allianz SE
11/2022	HackaTUM Hackathon at the Technical University of Munich
2021	Startup Teens , German Startup Award for Students • 1st Place National (800+ Teams) • Project: AI-based sorting of trash
2016 - 2019	Youth Trains Mathematics Support Program • Monthly development of mathematical content • Participation in seminars twice a year and passing of exams
2016, 2017, 2022	Mathematics Olympiad • 2nd and 3rd Prize State Round NRW, Participation in State Round Hesse

EXTRACURRICULAR ENGAGEMENT

03/2024	Instructor for Mathematics Abitur Crash Course Organization and execution of a one-week crash course for 100 students at a school in Munich
10/2023 - 07/2025	Speaker, Judge at Munich Debate Club • Regular participation as speaker or judge in debates (format: British Parliamentary)
10/2023 - 03/2024	Tutor for Linear Algebra 1 Tutorial for approx. 25 participants and homework correction for approx. 30 participants
06/2023 - TODAY	Mathematics Tutor Voluntary tutoring in mathematics for middle and upper secondary school students
08/2019 - 06/2022	Media Technology Service Group Event technology at the boarding school
2016, 2019	Mathematical Summer Academy Annual camp (one week each)

SKILLS

Languages	German (Native), English (B2), French (B1), Chinese (A2)
Programming	Python (4 years of professional experience), NumPy (Internship and Bachelor's thesis), SQL (3 years of professional experience), LaTeX, R, Java (from coursework)
Sports	Tennis (Regional League), Soccer (Regional League)
Music	Saxophone (10 years), Member of school orchestra and school choir (2 years)