




FRANKA BAUER

CSE @ETH Zurich | Incoming Summer Intern @Virtu Financial

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EDUCATION

- 09.2023 – 02.2027 **ETH ZÜRICH** – SWISS FEDERAL INSTITUTE OF TECHNOLOGY
Bachelor of Science ETH in Computational Science and Engineering, B.Sc. ETH
Current GPA: 5.6/6.0 (Swiss Grading Scale)
Additional activities: Hackathon at MIT (HackMIT) | Quants at ETH | Lecture Series on Space Research and Exploration | ETH-Week 2023 Circular Realities
- 08.2019 – 07.2023 **LANDESSCHULE PFORTA** – HIGH SCHOOL WITH ENTRANCE EXAM FOR GIFTED STUDENTS
9th - 12th grade, German Abitur (A-Level) | Natural Science Class
Advanced courses in Mathematics, Physics, English | STEM Honor Certificate | Merit-based Scholarship
GPA: 1.0/6.0 (German Grading Scale), 887/900 Points (Top 1% in Germany)

WORK AND RESEARCH EXPERIENCE

- 01.2025 **VIRTU FINANCIAL** – TRADING WINTERSHIP
Project on increasing PnL for Premarket Arbitrage Trades
Accepted Return Offer for Summer Internship in Quantitative Trading
- 10.2024 **JANE STREET** – QUANTITATIVE TRADING CAMP
Trading Games | Workshops on Market Making and Probability
- 09.2024 – 02.2025 **ETH ZÜRICH** – TEACHING ASSISTANT
Leading Exercise Sessions for a Class of 40 Undergraduate Students
- 06.2024 **OPTIVER** – INSIGHT DAYS
Introduction to Market Making and Option Theory | Trading Simulations
- 04.2024 – 10.2024 **BOSTON CONSULTING GROUP** – FUTURE SHAPER CLASS OF 2024
Industry Insights | Workshops on Time Management and Communication
- 04.2024 – 06.2024 **MCKINSEY & COMPANY** – NEXT GENERATION WOMEN LEADERS
Workshops on Communication, Personal Growth and Leadership
- 08.2021 – 10.2021 **FRAUNHOFER IWS INSTITUTE** – WORLD'S LEADING APPLIED RESEARCH ORGANIZATION
Research Internship, Group of Dr. Stepien
"A Parameter Study of 17-4PH using Metal Fused Filament Fabrication"
Possible applications in Aerospace Industry, Prosthetic and Medical Technology
Award for the best Scientific Research Paper by a Student by the Association of German Engineers
Award from the University of Leipzig for Commitment to Developments and Communication of Scientific Concepts

AWARDS AND CERTIFICATES

- 05.2024 **REGENERON ISEF** – LARGEST AND MOST PRESTIGIOUS STUDENT SCIENCE AND ENGINEERING FAIR WORLDWIDE
- since 10.2023 **MERIT-BASED EXCELLENCE SCHOLARSHIP** – FOUNDATION OF GERMAN BUSINESS (SDW)
Awarded based on Academic Excellence, Ambition, Critical Thinking, General Knowledge, Social Commitment
- 03.2023 – 05.2023 **JUGEND FORSCHT** – LARGEST YOUTH SCIENCE COMPETITION IN EUROPE
Finalist in national competition | Selected to represent Germany at Regeneron ISEF 2024 in Los Angeles
1st Prize in Regional and State Competition | Special Prize in Engineering (Association of German Engineers)
- 09.2022 **LEOPOLDINA** – GERMAN ACADEMY OF SCIENCES
Academic Scholarship for attending the Annual Assembly | Exchange with Researchers and Nobel Laureates
- 07.2022 **APYLS** – ASIAN PACIFIC YOUNG LEADERS SUMMIT IN SINGAPORE
Selected as one of the three Representatives out of all German High School Students
Award for the Best Group Performance in the Business and Politics Simulation
Qualified for presenting to the President of Singapore as one of the Top Three Speakers

CODING SKILLS

C++ - INTERMEDIATE
Experience with Eigen

C# - BEGINNER

HTML - BEGINNER

PYTHON - INTERMEDIATE

Experience with Numpy, Pandas, PuLP, Scikit-Learn

C - BEGINNER

CSS - BEGINNER