

Simon Sure

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EDUCATION

ETH Zurich (Swiss Federal Institute of Technology), Switzerland, B.Sc. in Computer Science | 09/2022 - present

- Coursework: Discrete Math, Information Security, Computer Architecture, Computer Networks, Numerical Methods, Formal Methods, Functional Programming, Algorithms (parallel, probabilistic, ...), Databases
- Rolling Average Grade: 5.9/6

Princeton University, United States, Exchange Semester | 09/2024 - 12/2024

- Courses: Computer Systems, Machine Learning, Computer Graphics, Quantum Computing
- GPA: 4.0/4.0

WORK EXPERIENCE

Palantir, London | Software Engineering Intern | 05/2025 - 08/2025

- Implemented coda-substitute around SAT-solver based dependency solver
- Designed and deployed an algorithm making formal unsolvability proofs for unsolvable environments intuitive

McKinsey, Switzerland | Digital Fellow Intern | 10/2025 - ongoing till 12/2025

ETH Zurich, Switzerland | Research Assistant | 03/2025 - 05/2025

- Systems infrastructure for efficient, secure, and reliable compound AI systems/AI agents
- Benchmarked different agent frameworks, identified major inefficiencies in deployments

NVIDIA | System Software Engineering Intern | 02/2024 - 06/2024

- Power management of next generation chips (incl. now released Blackwell & Jetson family)
- Pre-silicon testing with ARM Fast Models (SOC boot, memory configuration, etc.) ⇒ 6x pre-silicon testing speedup
- Performance debugging of Linux kernel driver (bare metal & hypervisor)
- Firmware configuration binary validation tooling

ETH Zurich, Switzerland | Teaching Assistant for Discrete Mathematics | 09/2023 - 02/2024

- Teaching approx. 30 students, grading assignments and finals

AWARDS

Scholar (top 0.5 %) | **German Academic Study Foundation** (Studienstiftung des deutschen Volkes)

- Leading German academic scholarship, awarded for outstanding academic achievements and social commitment
- Seminars, workshops, study groups, academic network, monetary study support, ...

5th Place Nationally (top 0.1 %) | **National Youth Research Competition**

- Leading Youth Research Competition - showcasing independent research abilities while at school
- See: Field Robot Project

Konrad Zuse Youth Award in Computer Science | **Eduard-Rhein Foundation**

- Awarded as Part of the National Youth Research Competition
- See: Field Robot Project

PROJECTS

Field Robot | 2019 - 2023

- Developed an autonomous two-wheeled robot, collaborated with farmers for real-world testing and validation
- Built custom convolutional neural net for vision, odometry, navigation in crop fields & robot simulation
- Technologies: ROS2, TensorFlow, Gazebo

Stramond | 2025 - present

- Implementing a modeling tool that provides reliable, structured, and verifiable answers to estimation problems

FloRaWAN, Urban Flora Monitoring System | 08/2020 - 06/2022

- Fundraised to combat risks to urban flora with municipal authorities, local companies, and residents
- Enabling monitoring of trees and green spaces by the parks department (covering 14.000 trees)
- Technologies: LoRaWAN, custom sensor units, data analysis and visualization (incl. InfluxDB and Grafana)

Many events, [attendances listed here.](#)

VOLUNTEERING

Zurich Builds | organizing top-talent hackathons with **OpenAI**, **NVIDIA**, world-class startups, and more top-tier partners
Google Developer Group on Campus | Lead/Organizer

SKILLS

Programming-Languages: C, Python, Rust, JavaScript, C++, (Verilog, Go)

Technologies: LLMs, Docker, Linux, Git, ML, PostgreSQL, ARM, FPGAs, Cloud (AWS & GCP), ROS2, OpenGL, OpenCV

Soft-Skills: Effective (Over)Communication, Presentation, Analytical Thinking, Drive