

Sven Glinz

Computer Science @ ETH Zürich, Economics @ HSG

Zürich, CH

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EDUCATION

BSc Computer Science Sep 2023 – Present

ETH Zürich · Zürich, CH · Current GPA 5.51 / 6

- **Thesis:** *Software-Modelled Smart NIC & Asynchronous RPC Runtime* [PDF], [Networks & Operating Systems Group](#). Modelled the [Lauferhorn smart NIC](#) in software (Linux kernel module + dispatch scheduler); extended the RPC runtime with a stackful coroutine scheduler for asynchronous, nested RPC processing, and ported the [Dandelion](#) serverless platform onto it.
- **Relevant coursework:** Algorithms & Data Structures, Parallel Programming, Digital Design & Computer Architecture, Systems Programming, Computer Networks, Embedded Systems, Compiler Design, Databases, Introduction to Machine Learning.

BA Economics Sep 2019 – Feb 2023

University of St. Gallen (HSG) · St. Gallen, CH · Final GPA 5.75 / 6

- **Thesis:** *Margin Procyclicality during COVID-19 — Drivers, Impact and Solutions* (5.5 / 6).
- **Relevant coursework:** Financial Derivatives, Mathematics for Economists, Big Data Analysis, Statistics, Money Banking & Finance.

EXPERIENCE

Teaching Assistant — Computer Systems From Sep 2026

ETH Zürich · Zürich, CH

- Lead weekly exercise sessions and grade coursework for the bachelor's course Computer Systems.
- Course spans OS foundations (scheduling, network stacks, file systems, memory management, IPC) and distributed-systems topics (persistence, fault tolerance).

Software Engineer, Embedded Linux (Working Student) Oct 2025 – Present

Siemens AG — Smart Infrastructure · Zug, CH

- Develop and maintain C++ firmware for edge controllers that automate smart-building devices and systems.
- Contribution across the full life-cycle: coding, unit testing, CI/CD pipelines, and deployment.

Junior Data Analyst (Part-Time) Jan 2023 – Sep 2025

St. Gallen Endowment for Prosperity through Trade · St. Gallen, CH

- Involved in the full data pipeline — collection, cleaning, analysis, and visualization (R; performance-critical parts in C++).
- Developed REST API client libraries to automate external data ingestion; maintained parts of the internal ClickHouse database.

Fixed Income Sales & Trading (Summer Intern) Jun – Aug 2022

Mizuho Securities · Frankfurt, DE / London, UK

- Supported the credit sales & trading desk (Corporates, Financials, EM); analyzed historical trade data in R to surface untapped client potential.
- Offered a subsequent full-time position on the credit trading desk in London.

Risk Exposure Management (Intern) Aug 2021 – Jan 2022

Deutsche Börse — Eurex Clearing AG · Frankfurt, DE

- Analyzed clients' ETD portfolios and processed intraday margin calls under the PRISMA margin methodology; automated margin-trigger analysis in SQL/VBA.

PROJECTS

- Linux I²C driver for the Sensirion SCD30 CO₂ sensor (C).
- UDP reverse tunnel to reach a WireGuard VPN server behind CG-NAT (C).
- [HashmapR](#): A fast, vectorized hashmap for R (R, C++)

TECHNICAL SKILLS

Languages: C++20/23, C, Python, R, Java, Bash, SQL, x86 Assembly

Systems & Tools: Linux, Git, GDB, Make/CMake, Docker, GitLab CI, PostgreSQL, SQLite

Networking & Protocols: IPv4/IPv6, TCP/UDP, DNS, DHCP, UART, I²C, SPI

Finance: Equities, Fixed Income, OTC/Exotic Derivatives, Bloomberg, Risk (VaR / CVaR)