

Samsons Rostovs

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EU/EFTA B Permit | Latvian Citizen

Education

- 2023 – Present** **ETH Zurich, Switzerland – Bachelor of Science in Computer Science.**
GPA: 4.74/6.00.
Relevant Coursework: Systems Programming and Computer Architecture, Introduction to Machine Learning, Digital Design, Numerical Methods, Parallel Programming, Probability and Statistics, etc.
- 2020 – 2023** **Riga Secondary School No. 40, Latvia.**
Advanced studies in natural sciences – physics, chemistry, biology.
GPA: 9.3/10. Graduated with the highest GPA in the graduating year.

Projects

Networking & Systems Laboratory (ETH Zurich)

Kathara-based networking laboratory focused on low-level communication and distributed systems concepts.

- Developed a basic HTTP client and server in Python using standard libraries.
- Configured virtual network topologies and IP routing environments.
- Worked with Linux networking concepts.

Cook–Levin Framework. Independent Project. [GitHub](#)

- Developing an interactive framework for simulating Turing machines and visualizing the Cook–Levin reduction to SAT.
- Exploring executable connections between NP-completeness, logical expressibility, and computational complexity theory.
- Long-term project goal: relating the constructive viewpoint of the Cook–Levin theorem to the logical characterization of NP given by Fagin’s theorem.
- Inspired by an ETH Zürich seminar on computability, complexity theory, and logic in computer science.

Zurich Student Meals Aggregator. Python, Flask, Automation, Web Scraping. [GitHub](#)

- Developed a full-stack web application aggregating and ranking the cheapest student meals across ETH Zürich and UZH cafeterias.
- Reverse-engineered undocumented APIs and built a modular multi-source scraping architecture with automated caching and live search functionality.
- Implemented cloud deployment, scheduled automation, email notifications, and responsive frontend design using Flask, Tailwind CSS, GitHub Actions, and Render.

Technical Skills

Programming: Java, Python, C, Haskell, SQL
Tools & Technologies: Linux, Git, Networking fundamentals, POSIX environment
Languages: English (C1), German (C1), Russian (Native), Latvian (C1), Spanish (B1), French (A2), Chinese (A1)

Work Experience

Jun 2025 – Oct 2025, Mar 2026 – Present **Baci Baci Gastro GmbH, Zurich – Service Staff & Barista**

- Working in a high-volume customer-facing environment.
- Handling customer service, POS operations, and daily operational responsibilities.
- Collaborating in a multilingual and fast-paced team environment.

Awards & Distinctions

2023 **Latvian Centennial Scholarship.** Riga, Latvia.
2023 **Certificate of Appreciation – Ministry of Education and Science of Latvia.**

Extracurricular Activities

2021–2023 **Jugend Debattiert – German Debating Competition**

- Participated in structured German-language debating competitions.
- Strengthened public speaking, analytical reasoning, and communication skills.