

Kevin Thomas Frunz

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Born: 02 Feb 2001 | Nationality: Swiss | Zürich, Jan 2026

Education

- **ETH Zürich** — B.Sc. Computational Science and Engineering Sep 2024 – Aug 2027
Selected coursework (ongoing): Calculus I–III, Discrete Mathematics, Data Structures & Algorithms
- **ETH Zürich** — B.Sc. Physics (changed course to CSE) Sep 2023 – Aug 2024
Selected coursework: Calculus, Linear Algebra, Computer Science
- **KME Zürich** — Matura (focus: Physics & Applied Mathematics) Aug 2020 – Jul 2022
Advanced courses: Mathematics, Physics, Chemistry

Work Experience

- **Sales Excellence Intern (100%)** — Hitachi Energy AG, Zürich Sep 2022 – Dec 2022
Area Sales Team (Generator Circuit Breakers)
 - Initiated and implemented an internal improvement project to streamline the sales workflow for Generator Circuit Breakers (GCB).
 - Designed a structured documentation and data flow process, improving consistency and accessibility of sales material.
 - Cleaned and reorganized sales-related SAP data (S/4HANA) to reduce redundancy and improve usability.
 - Built small scripts/tools supporting automation and internal access to technical documentation.
- **System Engineer (Apprenticeship)** — NTT Data Business Solutions AG, Zürich Aug 2017 – Aug 2020
Network Architecture Team
 - Administered Windows Server and Linux systems (users, permissions, services, monitoring).
 - Developed automation scripts in PowerShell and PHP to reduce manual IT operations and improve reliability.
 - Maintained firewall, backup and client management infrastructure, worked with EMC Networker.
 - Supported incident resolution through structured troubleshooting and clear documentation.

Selected Technical Work

- **Algorithmic Problem Solving (Python/C++)** 2024 – present
Regular practice of programming problems focusing on data structures, optimization and mathematical reasoning.
- **3D Printed Robot Arm (Arduino/C, Motion Control)** 2023
Built a servo-driven robot arm from 3D printed components. Used Arduino Controller to control movement in C for motion control (servo calibration, mapping, movements), and iteratively debugged mechanical/electrical issues.
- **FPV Drone Build** 2021 – present
Built and repaired FPV drone (soldering, electronics, systematic troubleshooting).
- **Automated Inventory Management for Windows Hosting (PowerShell/OpenLDAP)** 2020
Developed an automation script that periodically collects Windows Server system data and syncs it into an OpenLDAP directory (object create/update logic), deployed via Task Scheduler. Produced rollout + troubleshooting documentation and structured tests.

Awards & Academic Projects

- **Maturaarbeit (Final Thesis) — Grade: 5.5/6** 2022
“Der experimentelle und theoretische Nachweis des Zeeman-Effekts”
Built and presented an experiment demonstrating the Zeeman effect, explained underlying theory for a non-expert audience.
- **Vocational Baccalaureate (Final Thesis) — Grade: 6/6** 2020
“Das erste Bild eines schwarzen Lochs”
Explained the physics and measurement process behind the first black hole image in a clear and structured way.
- **Distinction for Academic Excellence - Honors Rank (System Engineer Apprenticeship Graduation)** 2020
Issued by Zürcher Lehrbetriebsverband ICT

Languages and Technical Skills

- **Languages:** German (native), English (fluent), French (limited), Japanese (limited)
- **Programming:** C++ (advanced), C, Python, PowerShell, PHP, Bash
- **Technical:** Linux, Windows Server, Git, Docker, CI/CD, NumPy, SQL/MySQL, SAP (S/4HANA), EMC Networker
- **Strengths:** Analytical thinking, fast learning, attention to detail, structured problem solving