

Xavier Winkelmann

Computer Science student at ETH Zurich

Email me github.com/Xa4-wi [LinkedIn / Xavier Winkelmann](#)

Building practical software, exploring quantitative trading, and helping bring students together through event organisation.

01 SELECTED PROJECTS

Agriculture Logistics Program

IN PROGRESS

Designing the program structure and developing the initial implementation of an agriculture logistics application.

IMC Prosperity Challenge

2026

Python / Java

Built and iterated simulated-market trading strategies: fair-value estimation, market making, inventory control and cross-product signals. Compared variants using backtests and trading logs.

02 EXPERIENCE

Alpitronic

FEB - MAY 2025

Cybersecurity Engineer Intern / Red Team

Researched target technologies and attack surfaces for penetration testing. Contributed to vulnerability assessment and security documentation.

Swiss Confederation

JAN - NOV 2024

Military Police / Militia

Completed mandatory military service in the security department of a military airport.

Winkelmann Obst AG

JUN 2023 - JAN 2024

Temporary role / Farm shop and office

Supported office administration, checkout operations and daily shop preparation.

03 EDUCATION

ETH Zurich

2025 - PRESENT

BSc Computer Science. Expected graduation: 2028.

Gymnasium Biel-Seeland

AUG 2019 - JUN 2023

Matura, Physics and Applied Mathematics.

04 COMMUNITY & ORGANISATION

President / NachKomm

CURRENT

President of NachKomm, a committee of the VIS student association at ETH Zurich.

Student Event Organisation / ETH Zurich

2025 - PRESENT

Main organiser of a welcome weekend for approximately **100 students**, coordinating the programme, helpers, activities and logistics. Co-organised the ETH welcome day for approximately **1,000 students**.

05 SKILLS & INTERESTS

Programming: Python, Java, C++, HTML. Git.

Languages: German (native), English (good), French (good), Italian (basic), Greek (understanding).

Beyond work: Former national-level swimmer; volleyball; cycled 5,600 km through 21 countries in 2025.