

# Nathan Hanset

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## Introduction

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I am driven by a wide range of interests that keep me curious and motivated. Currently pursuing a degree in physics at the graduate level, as well as working part time as a Research Assistant for the n2EDM group at the Paul Scherrer Institute, I am also an avid reader who thrives on always learning and pushing my own boundaries. I am driven by a strong work ethic and a deep desire to make meaningful contributions to society, constantly seeking new ways to stay engaged and productive.

## Education

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**ETH Zürich** Feb 2025 – Jan 2027

*MSc in Physics*

**ETH Zürich** Sep 2022 – Aug 2025

*BSc in Physics*

- **GPA:** 5.5/6 (actual)
- **Coursework:** Analysis, Linear Algebra, Computer Science (C++), Data Analysis and Numerical Methods (Python), Thermodynamics, Electrodynamics, Classical Mechanics, Quantum Mechanics and Electronics, Particle Physics, Solid State Physics, Group theory in Physics, Medical Physics, Macroeconomics
- **Self-learning:** Probability Essentials (*Jacod & Protter*), A first course in Quantitative Finance (*Mazzoni*)

## Experience

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**Research Assistant**

*Part time, 30%*

*PSI*

*Jan 2025 - present*

- Participating in the n2EDM experiment, that aims at finding the magnetic dipole moment of the neutron in Prof. Dr. Kirch's group.

**Teaching Assistant**

*Part time, 40%*

*ETH Zürich*

*Feb 2024 - Jan 2025*

- Provided one-on-one mentorship, prepared and delivered weekly lectures to a class of more than 60 people in the department of mathematics of ETHZ.

**Infantry Crewman**

*1 year-long mandatory military service*

*Swiss Army*

*July 2021 – July 2022*

- Developed risk assessment and decision-making skills.
- Operated and maintained advanced battle tanks, including Mowag Piranhas.

## Projects and accomplishments

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**Jane Street's Quantitative Trading Camp participant**

*Jane Street London*

*April 2025*

- Learned and developed quantitative trading and market making skills in a full week of programming, lectures and networking with actual Jane Street employees at the firm's London office.

**Bainhorizon mentoring program**

*Bain&Company Zürich*

*Issued Sep 2024*

- Selected as one in a cohort of 12 mentees over all STEM students from ETH for one-on-one mentorship with an inside consultant and seminars aimed at developing skills and insights into consulting, problem-solving and career advancement strategies.

**Beneficiary of the Swiss Study Foundation**

*Issued May 2024*

- Prestigious organization dedicated to fostering academic excellence and leadership.
- Participation in mentorship programs, networking events and skill-development workshops alongside high-

achieving peers.

**Classical literature writing project: "Dark is the night"**

*July 2021 - Nov 2022*

◦  $\approx 43'000$  words novel written on my free time

**Cambridge Advanced Certificate (CAE) - passed with a C2 level**

*English certificate*

## **Skills**

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**Languages:** French (*Native*), English (*Bilingual*), German (*C1 level*)

**Programming Languages:** Python (*Advanced*), C++ (*Bases*)

**Soft skills:** Public speaking, Leadership, Teamwork, Mentoring and Coaching

**Hobbys:** Chess, Powerlifting, Running, Swimming