

# Marius Wenk

Zürich, Switzerland

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## Summary

I am passionate about physics, mathematics, and computer science, especially theoretical topics. I recently graduated with a Master of Science in Physics from ETH Zürich. Throughout my education, I took various opportunities to develop my programming skills by choosing computer science as a minor, working as a web developer at the Fraunhofer Institute for Industrial Mathematics, and engaging in private projects. In various teaching assistant positions, I had the opportunity to share some of my experience. During my master's degree, I became actively involved in the local **Effective Altruism** community, where I developed a strong interest in AI alignment. In May 2023, I co-founded the **ETH Zürich Alt Protein Project**.

- Nationality: German (EU); Permit Switzerland: B

## Experience

### Intro to Transformative AI

BLUEDOT IMPACT COURSE

Remote

01/2025

- Five-day intensive course on timelines, risks, and benefits of transformative AI systems.

### Co-founder and Co-president of the ETH Zürich Alt Protein Project

COMMUNITY BUILDING (ASSOCIATION)

Zürich

05/2023 - 09/2024

- Founded a student association dedicated to advancing research on alternative proteins.
- Organized and moderated several speaker events with around 80 participants each.
- The group is part of the global network of **Alt Protein Projects** by the **Good Food Institute**, whose conference in San Francisco I attended in September 2023.

### Teaching Assistant, ETH Zürich

DEPARTMENT OF MATHEMATICS

Zürich

02/2024

- Supervised bachelor's exams and evaluated the test results.

### Teaching Assistant, Technical University of Kaiserslautern

MATHEMATICS FOR COMPUTER SCIENTISTS: ANALYSIS

Kaiserslautern

04/2022 - 08/2022

- Delivered and prepared supplementary lectures addressing student questions on analysis and graded exercises.

### Research Assistant, Fraunhofer Institute for Industrial Mathematics (ITWM)

WEB APPLICATION DEVELOPER

Kaiserslautern

02/2020 - 09/2020

- Developed internally deployed web applications using PHP, SQL, and HTML as part of a team of student programmers.

### Faculty Student Council Member

DEPARTMENT OF PHYSICS, TECHNICAL UNIVERSITY OF KAISERSLAUTERN

Kaiserslautern

02/2020 - 09/2020

- Elected representative of the physics student body.
- Managed the student homepage along with other responsibilities: (Freshmen) Events, PR, International students.

## Education

### ETH Zürich

MASTER OF SCIENCE IN PHYSICS

Zürich

09/2022 - 12/2025

- Overall Grade Point Average (GPA): 5.56 (Switzerland), equivalent to 3.7/4.0 in the US system.
- Coursework: **Quantum Field Theory**, General Relativity, Variational Principles of Mechanics and Chaos.

### Technical University of Kaiserslautern

BACHELOR OF SCIENCE IN PHYSICS

Kaiserslautern

10/2020 - 08/2022

- Overall Grade Point Average (GPA): 1.6 (Germany), equivalent to 3.4/4.0 in the US system.
- Minor in Computer Science, Coursework: **Data Structures**, Scientific Programming (Python).
- Coursework: **Statistical Mechanics**, Solid State Physics, Electrodynamics, Analysis, Linear Algebra, Vector Analysis.

DEUTSCHLANDSTIPENDIUM - SCHOLARSHIP

10/2020 - 08/2022

- Awarded for outstanding academic potential; renewed in 2021.

### Universitat de Barcelona (UB)

ERASMUS EXCHANGE PROGRAM

Barcelona

09/2021 - 02/2022

## Skills and Interests

**Languages:** German (native), English (fluent), Spanish (fluent), French (basic).

**Research Interests:** AI Alignment, Nonequilibrium physics, Data science, Learning Theory.

**Computer Skills:** Python, C++, R, Typst, LaTeX, Java, Linux, PHP, SQL.

**Interests:** Team Sports (Volleyball), Ballroom Dancing, Nutrition, Guitar, Viola (orchestra), Effective Altruism.