

Marius Wenk

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EDUCATION

- 2022 – 2024 **ETH Zürich** – MSc Physics
- Overall Grade Point Average (GPA): 5.56 (Switzerland)
 - Focus on theoretical and particle physics (modules: Quantum Field Theory, General Relativity, Phenomenology of Particle Physics, Astro-Particle Physics)
 - Thesis on nanoporous T cell activation (data analysis with Python and R)
- 2019 – 2022 **TU Kaiserslautern** – BSc Physics
- Grade Point Average (GPA): 1.6 (Germany)
 - Computer Science as minor; scientific programming in Python
 - Thesis on numerical non-equilibrium copper after laser excitation (programmed in C++)
- 2021 – 2022 **Universitat de Barcelona (UB)** – Erasmus Exchange Program
- Fifth bachelor semester, focus on solid state physics and numerical methods
- 2020 – 2022 **Deutschlandstipendium** – Scholarship
- Awarded for outstanding academic potential; extended in 2021

EXPERIENCE

- 2023 – 2024 **Co-president and Co-founder of the ETH Zürich Alt Protein Project**
- Founded a student association dedicated to advancing research on alternative proteins
 - Organized several speaker events with around 80 participants
 - The group is part of the global network of alt protein projects by GFI
- 2020 **Research Assistant, Fraunhofer ITWM, IT Department, Kaiserslautern**
- Developed web applications with PHP, SQL and HTML in a team of student programmers
- 2024 **Teaching Assistant, ETH Zürich, Department of Mathematics**
- Supervised bachelor grade exams and evaluated the test results
- 2022 **Teaching Assistant, TU Kaiserslautern, Department of Mathematics**
- Gave tutorial lectures on analysis (mathematics) and evaluated student exercises for students of computer science (~10 students)
- 2020 – 2022 **Member of Faculty Student Council, Department of Physics, TU Kaiserslautern**
- Elected member of the body that represents students of physics
 - Contributed to departments: Homepage, (Freshmen) Events, PR, International Students

PROGRAMMING

- 2020 – 2022 **Website Administration, Faculty Student Council Physics, TU Kaiserslautern**
- Implementation of new features and fixing bugs with PHP on Linux server
- 2022 **Implementation of Online Multiplayer Card Game, Remote**
- Server based game using Docker and programmed with PHP
 - <https://github.com/MariusWenk/Tempel-des-Schreckens>

SKILLS & INTERESTS

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| Languages | German (native), English (fluent), Spanish (CEFR B2), French (CEFR A2) |
| Research Interests | AI Alignment, CAR T-cell Therapy, Pandemic Preparedness, Semiconductor Manufacturing, Data Science |
| Computer Skills | Python, Java, R, SQL, PHP, C++, Latex, Linux, Excel |
| Interests | Nutrition, Effective Altruism, Machine Learning, Economics, Ballroom Dancing, Triathlon, Volleyball, Guitar, Viola (Orchestra Music) |