

# Martin Wertich

📍 Zurich, Switzerland | 📩 mwertich@ethz.ch | ☎ +41 76 998 37 82 | 💬 Martin Wertich | 💬 mwertich  
🔗 Portfolio

## Education

### ETH Zurich

*Master of Science ETH in Computer Science*

*Zurich, Switzerland*  
*Sept 2024 – Present*

- **Current GPA:** 5.65/6.0 ([ETH Zurich](#))
- **Focus:** Theoretical Machine Learning (Statistical Learning & Optimization Theory, Random Matrices)
- **Major:** Machine Intelligence, **Minor:** Theoretical Computer Science

### Johannes Gutenberg University

*Bachelor of Science in Computer Science*

*Mainz, Germany*  
*Aug 2020 – Jul 2024*

- GPA: 1.1/1.0 ([Johannes Gutenberg University](#))
- Bachelor Thesis: [Exploring the Hidden Structures of Attention Layers in Transformer Models](#)

### Dalarna University

*Erasmus+ exchange semester in "Data Science"*

*Falun, Sweden*  
*Aug 2023 – Jan 2024*

### Sebastian Münster Gymnasium

*Abitur (GPA: 1.2/1.0)*

*Ingelheim, Germany*  
*Aug 2011 – Mar 2020*

## Research Experience

### ETH AI Center

*Research Assistant ([ETH AI Center](#)) under the supervision of Barna Paztor and Ido Hakimi ([LAS Group](#))*

*Zurich, Switzerland*  
*Jul 2025 – Sep 2025*

- Follow-up work on the ETH AI Center project "Active Learning for Sample-Efficient RLHF"
- Implemented and evaluated RLHF training pipelines for LLMs on the SwissAI Clariden cluster
- Enhanced UltraFeedback's annotation efficiency by utilizing Epistemic Neural Networks (ENNs)

## Professional Experience

### ETH Zurich

*Teaching Assistant in "Stochastics and Machine Learning (D-MAVT)"*

*Zurich, Switzerland*  
*Feb 2025 – Aug 2025*

### Envision Entertainment GmbH

*Software Development Intern*

*Ingelheim, Germany*  
*Apr 2023 – Aug 2023*

- Developed a map generation algorithm in C# for the computer game "Pioneers of Pagonia"

### Schott AG

*Werkstudent (Working Student) in Machine Learning*

*Mainz, Germany*  
*Sep 2022 – Mar 2023*

- Researched and developed explainable AI methods for time series data

### Johannes Gutenberg University

*Teaching Assistant in "Introduction to Software Development"*

*Mainz, Germany*  
*Apr 2022 – Oct 2022*

## Scholarships & Awards

### Deutschlandstipendium

*Oct 2023 - Sep 2024*

- Awarded annually to 1–2% of German students for outstanding academic performance

## ETH Research Projects

**AI Center Projects in Machine Learning Research 2025:** [Active Learning for Sample-Efficient RLHF](#)

**Computational Intelligence Lab 2025:** [Uncertainty-Aware Ensemble for Monocular Depth Estimation](#)