

Lukas Rüttgers

Student Researcher

ACADEMIC EDUCATION

Computer Science M.Sc., <i>ETH Zurich</i>	09/2024 — today
• Foci: math and theory for data science, high-performance computing, robotics	
Computer Science B.Sc., <i>RWTH Aachen University, Germany</i>	10/2021 — 09/2024
• GPA: 1.0 (<i>top 2% of the year</i>)	
• Math Minor: Numerical Analysis (<i>best student in class</i>)	
• Mechanical Engineering Minor: Mechanics, Machine Design (<i>top 6% among >1,000 students</i>)	

RESEARCH EXPERIENCE (SELECTED)

Researcher, <i>InftyLabs UG, Full-time</i>	02/2026 — 07/2026
• Research on Differentiable Logic Gate Networks in the lab that originally invented them	
Semester Project, <i>ETH Zurich, Part-time</i>	07/2025 — 10/2025
• Research on Differentiable Logic Gate Networks (<i>poster at ICLR 2026</i>)	
Visiting Student, <i>Tsinghua University, Full-time</i>	02/2024 — 07/2024
• Research on quantifying neural network expressiveness via Kolmogorov complexity	
Research Assistant, <i>Chair of Machine Learning, RWTH Aachen, Part-time</i>	06/2023 — 08/2023
• Model-based RL, symbolic representation learning	

WORK EXPERIENCE (SELECTED)

Working Student, <i>QuantCo, Part-time, Zurich</i>	04/2025 — 01/2026
Software Engineer, <i>Daten- und Systemtechnik GmbH, Part-time, Aachen, Germany</i>	10/2022 — 06/2023
Software Engineer, <i>Robert Bosch GmbH, Part-time, Stuttgart, Germany</i>	09/2020 — 09/2022

AWARDS AND ACHIEVEMENTS

Fellow, <i>Cornell Maryland Max Planck Pre-doctoral Research School,</i>	07/2025 — 08/2025
Scholarship Holder, <i>German Academic Scholarship Foundation</i>	04/2024 — today
Scholarship Holder, <i>Deutschlandstipendium</i>	10/2023 — 03/2024
Dean's List 2021/2022; 2022/2023; 2023/2024, <i>RWTH Aachen University, Top 2% students throughout</i>	2021 — 2024
Statewide A-levels Award, <i>State of North Rhine-Westphalia, awarded for exceptional state-wide performance</i>	06/2020

ACADEMIC SERVICE

Reviewer, <i>ICLR 2026, NeurIPS 2026, ICLR 2027</i>	02/2026 — today
Founder and Leader, <i>Research Excursion Working Group</i>, Student Council I/1 RWTH	04/2022 — 08/2024

SKILLS AND INTERESTS

Languages	German (<i>mother tongue</i>), English (<i>TOEFL 113/120</i>), Chinese
Applied Skills	PyTorch, C++, Linux, CUDA
Theoretical Knowledge	Statistics, Probability, Algorithmics, Asymptotic Analysis, Numerics, Functional Analysis
Interests	Resource-efficient and hardware-aware NNs, Dexterous Manipulation, Open Science