

Till Freihaut

PHD STUDENT · COMPUTER SCIENCE

University of Zurich, Binzmühlstrasse 14, 8050 Zürich

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Education

University of Zurich & ETH AI Center

Zurich

PHD COMPUTER SCIENCE

05/2024 - present

- Advisor: Prof. Dr. Giorgia Ramponi
- Research Group: Autonomous Learning and Predictive Intelligence Lab
- Research Topics: Multi-agent Reinforcement Learning, Imitation Learning
- ETH AI Center: Associate PhD

University of Mannheim

Mannheim

MS MATHEMATICS, 1.0 WITH HONORS

09/21 - 03/24

- Thesis: Importance Sampling in Offline Contextual Bandits
- Advisors: Claire Vernade and Leif Döring
- Focus: Mathematics in Artificial Intelligence, in particular Reinforcement Learning
- Honors: Finished with best possible grade

University of Mannheim

Mannheim

BS MATHEMATICS WITH A MINOR IN BUSINESS, 1.8

08/18 - 08/21

- Focus: Probability Theory and Statistics
- Thesis: Stochastic Approximation in Reinforcement Learning
- Supervisor: Prof. Dr. Leif Döring

Professional Experience

ETH AI Center

Zurich

ASSOCIATE PHD STUDENT

05/2024 - present

- Collaborating with fellow PhD students and participating in industry networking events.

adago (formerly adacon)

Mannheim

DATA SCIENTIST

01/2022 - 05/2024

- Collaborated with research scientists to develop Reinforcement Learning algorithms for supply-chain systems using Python and stable-baselines3.

University of Mannheim

Mannheim

GRADUATE REINFORCEMENT LEARNING RESEARCH ASSIST

10/2021 - 09/2022

- Supported reinforcement learning research, instructed a Python course for doctoral students, and developed programming exercises for a Reinforcement Learning course.

Deutsche Bank

Berlin

QUANTITATIVE RISK MANAGEMENT INTERN

08/2021 - 12/2021

- Automated risk analysis for trading products using Python, optimized code performance, and assisted in deploying a data analysis tool.

University of Mannheim

Mannheim

UNDERGRADUATE TEACHING ASSISTANT

08/2020 - 02/2021

- Led tutorials for over 20 students in analysis, supported their understanding of course concepts, and graded assignments and exams.

Publications

PUBLISHED

Till Freihaut, Giorgia Ramponi. On Feasible Rewards in Multi-Agent Inverse Reinforcement Learning, **Spotlight** at NeurIPS 2025 (Top 3% of papers)

Till Freihaut*, Luca Viano*, Volkan Cevher, Matthieu Geist, Giorgia Ramponi. Learning equilibria from Data: Provably-efficient Multi-Agent Imitation Learning, NeurIPS 2025 & **Spotlight** at RLBrew Workshop at RLC

WORKSHOPS Simon Weissmann*, **Till Freihaut***, Claire Vernade, Giorgia Ramponi, Claire Vernade, Leif Döring. Barycenter Policy Design for Multiple Policy Evaluation, EWRL2025

IN REVIEW

Till Freihaut*, Luca Viano*, Volkan Cevher, Matthieu Geist, Giorgia Ramponi. Rate optimal learning equilibria from data, Under Review for AISTATS

PACKAGES

Benedikt Geier, Borui Niklas Zhu, Moritz Kern, Manuel J. Hentschel, Kiril Dik, Moritz Lauff, Tim Glockner, Adrian Heppeler, Nadine Tampe, Leonardo Vela, **Till Freihaut**, Niclas Lietzow, Helene Peter, Martin Schlather, Yiqi Li. Package. 2020. DistributionFitR, CRAN

Awards & Honors

- 2024 Best Student Recognition, Master Mathematics, University of Mannheim
- 2024 Werner Oettli Prize (Best Master Thesis), Master Mathematics, University of Mannheim
- 2018 Best High school Graduate in Mathematics , Deutsche Mathematiker Vereinigung (German Mathematics Association)

Teaching Experience

- Fall 2024 Reinforcement Learning, Head Teaching Assistant Zurich
- Fall 2024 Reinforcement Learning, Head Teaching Assistant Zurich
- Fall 2020 Analysis I, Teaching Assistant Mannheim

Student Supervision

- 2024-now Master students at ETH, University of Zurich and EPFL, Various topics in Reinforcement Learning Zurich

Scientific Activities

ORGANIZING

NeurIPS Workshop, 2025, Co-organizing the Second Edition of Aligning Reinforcement Learning Experimentalists and Theorists (ARLET)

REVIEWER

AISTATS (2025), EWRL (2025), EXAIT Workshop ICML (2025), ARLET Workshop ICML(2024),