

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

CONFERENCES

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

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, [Paper Link](#)

WORKSHOPS

Simon Weissmann*, **Till Freihaut***, Claire Vernade, Giorgia Ramponi, Claire Vernade, Leif Döring. Barycenter Policy Design for Multiple Policy Evaluation, EWRL2025, [Paper Link](#)

PREPRINT

Till Freihaut*, Luca Viano*, Volkan Cevher, Matthieu Geist, Giorgia Ramponi. Rate optimal learning equilibria from data, [Paper Link](#)

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); Organizing Committee: Marco Mussi, **Till Freihaut**, Antoine Moulin, Giorgia Ramponi, Dirk van der Hoeven, Alberto Maria Metelli, Felix Berkenkamp, Francesco Trovò , Csaba Szepesvári.

REVIEWER

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