

Lena Zellinger

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I am an ELLIS PhD student supervised by Dr. Antonio Vergari, Dr. Nikolay Malkin, and Dr. Vincent Fortuin. I am a member of the APRIL research lab at the University of Edinburgh and the ELPIS research lab at Helmholtz AI and TU Munich. My main research interests include efficient and interpretable neuro-symbolic machine learning as well as tractable uncertainty quantification.

EDUCATION

PhD at the Institute for Adaptive and Neural Computation University of Edinburgh, School of Informatics	2024 - present
<ul style="list-style-type: none">• supervised by Dr. Antonio Vergari and Dr. Nikolay Malkin• co-advised by Dr. Vincent Fortuin at Helmholtz AI and TUM through ELLIS	
MSc in Data Science University of Vienna, Faculty of Computer Science	2020 - 2022
<ul style="list-style-type: none">• master's thesis: "Gradient Matching for Learning with Noisy Data"• graduated with honors, overall GPA: 1.18 (1 = best, 5 = worst)• completed within minimum duration of study as the first graduate of the program	
BSc in Statistics University of Vienna, Faculty of Business, Economics and Statistics	2017 - 2020
<ul style="list-style-type: none">• graduated with honors• completed within minimum duration of study	

RESEARCH & TEACHING EXPERIENCE

Research Assistant University of Vienna, Research Group Data Mining and Machine Learning	Oct 2022 - Nov 2023
Tutor for Analysis and Advanced Analysis University of Vienna, Faculty of Business, Economics and Statistics	Oct 2019 - Jan 2021

ACADEMIC HONORS, AWARDS, AND SCHOLARSHIPS

Best of the Best Award (2022): award given to the top 3 master's graduates of the Faculty of Computer Science
Class of Excellence (2018 - 2019): program for top students of the Faculty of Business, Economics and Statistics
Performance Scholarship (2019 - 2022): yearly merit-based scholarship awarded by the University of Vienna

PUBLICATIONS

A. Sedova*, **L. Zellinger***, and B. Roth. Learning with noisy labels by adaptive gradient-based outlier removal. ECML PKDD 2023.
L. Zellinger, A. Stephan, and B. Roth. Counterfactual reasoning with knowledge graph embeddings. EACL 2024. (Oral)

*equal contribution