Mike Laszkiewicz

PhD Student at Ruhr University Bochum
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EDUCATION

2019 - 2023 **PhD Computer Science, Ruhr University, Bochum**
- Working on statistically sound deep generative models such as graphical models, generative adversarial networks, normalizing flows, variational autoencoders, and diffusion models
- Published works at ICML and AISTATS
- Expected graduation in October 2023

2017 - 2019 **MSc Mathematics, GPA 1.0, Ruhr University, Bochum**
- Focus on applied mathematics, probability theory, and statistics
- Master's thesis: *"Graphical Models in Theory and Practice"*, Grade 1.0
- Awarded for an outstanding Master's thesis by *Verein zur Förderung der Mathematik an der Ruhr-Universität Bochum e.V.*

2014 - 2017 **Bsc Mathematics, GPA 0.9, Ruhr University, Bochum**
- Bachelor's thesis: *"Analysis of the efficiency of Quasi-Monte-Carlo algorithms in combination with simulation methods for Brownian motions"* (translated), Grade 0.7
- Awarded for an outstanding Bachelor's thesis by *Verein zur Förderung der Mathematik an der Ruhr-Universität Bochum e.V.*

2007 - 2014 **A levels (Abitur), GPA 1.9, Gymnasium am Stoppenberg, Essen**
- Specialization on mathematics and physics

WORK EXPERIENCE

Since 2015 **Teaching Assistant, Ruhr University, Bochum**
- Teaching classes ranging from mathematics to statistics and compute science

2018 - 2019 **Student Assistant, Ruhr University, Bochum**
- Implementation of a medical image reconstruction method using Python

2017 **Intern, Meyerthole-Siems-Kohlruss, Actuarial Consultancy, Cologne**
- Data validation, market research, and presentation of results

SCIENTIFIC PUBLICATIONS

2023 **Single-Model Attribution of Generative Models Through Final-Layer Inversion**, Laszkiewicz, M., Ricker, J., Lederer, J., Fischer, A., under review

2022 **Marginal Tail-Adaptive Normalizing Flows**, Laszkiewicz, M., Lederer, J., Fischer, A., International Conference on Machine Learning (ICML)

2021 **Copula-Based Normalizing Flows**, Laszkiewicz, M., Lederer, J., Fischer, A., Third workshop on Invertible Neural Networks, Normalizing Flows, and Explicit Likelihood Models (INNF+)

2020 **Thresholded Adaptive Validation: Tuning the Graphical Lasso for Graph Recovery**, Laszkiewicz, M., Fischer, A., Lederer, J., International Conference on Artificial Intelligence and Statistics (AISTATS)

SIDE PROJECTS

2022 **Deepgaldx**, *https://github.com/MikeLasz/deepgaldx*
- Science slam project about style transfer using Cylce-GANs

2020 **Robustness of RDF2Vec**, *https://github.com/MikeLasz/robustness_rdf2vec*
- Analyzing the robustness of RDF2Vec knowledge graph embeddings

SKILLS & INTERESTS

Languages	German (native), English (fluent), Polish, French
Technology	Python, PyTorch, R, Unix Shell, Git, Java, Android, Latex, Excel
Interests	Lacrosse (playing and coaching), Video/Board Games, Watercolor painting