

Alexandru Meterez

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Education

Harvard University PhD Computer Science – <i>Advisor</i> : Prof. Cengiz Pehlevan	2024 - Present
ETH Zürich MSc Data Science – <i>Advisor</i> : Prof. Gunnar Rätsch, Prof. Francesco Orabona	2020 - 2023
University Politehnica of Bucharest (UPB) BSc Computer Science – <i>Advisor</i> : Prof. Iuliu Vasilescu	2016 - 2020

Research

Preprints

Why do Learning Rates Transfer? Reconciling Optimization and Scaling Limits for Deep Learning

arXiv 2024

L. Noci*, [Alexandru Meterez*](#), T. Hofmann, A. Orvieto

Publications

Towards Training Without Depth Limits: Batch Normalization Without Gradient Explosion

ICLR 2024

[Alexandru Meterez*](#), A. Joudaki*, F. Orabona, A. Immer, G. Rätsch, H. Daneshmand

Aligning Distant Sequences to Graphs using Long Seed Sketches

RECOMB 2023 & Genome Research (2023): gr-277659.123

A. Joudaki*, [Alexandru Meterez*](#), H. Mustafa, R. Groot Koerkamp, A. Kahles, G. Rätsch

Towards Workflows for the Use of AI Foundation Models in Visual Inspection Applications

EUROSTRUCT 2023

M. Rigotti, D. Antognini, R. Assaf, K. Bakirci, T. Frick, I. Giurgiu, K. Janoušková, F. Janicki, H. Jubran, C. Malossi, [Alexandru Meterez](#), F. Scheidegger

*: Equal first authors

Experience

Max Planck Institute for Intelligent Systems <i>Research Intern</i>	Tübingen, Germany Nov. 2023 - Present
IBM Research <i>Research Intern</i>	Zürich, Switzerland Sept. 2022 - Feb. 2023
Adobe <i>Software Engineering Intern</i>	Bucharest, Romania Jul. 2019 - Oct. 2019
CAMPUS Research Institute, UPB <i>Student Researcher</i>	Bucharest, Romania Jul. 2018 - Jul. 2020
Sparktech Software <i>Software Engineering Intern</i>	Bucharest, Romania Jul. 2018 - Oct. 2018

Awards

Grade I Scholarship <i>Granted by UPB to students with the best grades in the year (GPA \geq 9.5).</i>	2017
Performance Scholarship <i>Granted by UPB to students with the best grades in the year (GPA \geq 9.7) that participated in extracurricular research and contests.</i>	2018

Outreach

CaCTüs Internship at MPI Tübingen <i>Project advisor for CaCTüs at MPI, addressed to talented students with financial or societal constraints.</i>	2024 (summer)
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