Alexandru Meterez

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Education

Harvard University — 2024 - Present
PhD Computer Science – *Advisor*: Prof. Cengiz Pehlevan, Prof. Sham Kakade
Kempner Graduate Fellow

ETH Zürich — 2020 - 2023
MSc Data Science – *Advisor*: Prof. Gunnar Rätsch, Prof. Francesco Orabona

University Politehnica of Bucharest (UPB) — 2016 - 2020
BSc Computer Science – *Advisor*: Prof. Iuliu Vasilescu

Research (*: equal contribution)

Preprints

The Optimization Landscape of SGD Across the Feature Learning Strength
arXiv
A. Atanasov*, A. Meterez*, J. Simon*, C. Pehlevan

Publications

Why do Learning Rates Transfer? Reconciling Optimization and Scaling Limits for Deep Learning
NeurIPS 2024
L. Noci*, A. Meterez*, T. Hofmann, A. Orvieto

Towards Training Without Depth Limits: Batch Normalization Without Gradient Explosion
ICLR 2024
A. Meterez*, A. Joudaki*, F. Orabona, A. Immer, G. Rätsch, H. Daneshmand

Aligning Distant Sequences to Graphs using Long Seed Sketches
RECOMB 2023, Genome Research
A. Joudaki*, A. 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, A. Meterez, F. Scheidegger

Experience

Max Planck Institute for Intelligent Systems — Tübingen, Germany
Research Intern — Nov. 2023 - Present

IBM Research — Zürich, Switzerland
Research Intern — Sept. 2022 - Feb. 2023

Adobe — Bucharest, Romania
Software Engineering Intern — Jul. 2019 - Oct. 2019

CAMPUS Research Institute, UPB — Bucharest, Romania
Student Researcher — Jul. 2018 - Jul. 2020

Sparktech Software — Bucharest, Romania
Software Engineering Intern — Jul. 2018 - Oct. 2018

Awards

Kempner Fellowship — 2024
Full support for my doctoral studies.

Grade I Scholarship — 2017
Granted by UPB to students with the best grades in the year (GPA ≥ 9.5).

Performance Scholarship — 2018
Granted by UPB to students with the best grades in the year (GPA ≥ 9.7).