Leello Dadi

CS PhD Student, Graduating in September 2025
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Education

PhD in Computer Science, EPFL. (2020 - now)
MSc in Applied Mathematics (MVA), École normale supérieure Paris-Saclay (2019)
Engineering Degree, Télécom ParisTech (2019)
Math and Computer Science, Lycée Louis Le Grand, Paris, France (2014 - 2016)

Internships and Industry collaborations

Amazon, Applied Scientist Intern: Scaling of Diffusion Models.(11.24 - 04.25)

Google-EPFL collaboration, Automatic beautification of free-hand sketches (11.23 - 10.24)

Selected Publications (Google Scholar)

- "Generalization of noisy SGD in unbounded non-convex settings"
  L. Dadi, V. Cevher, *ICML 2025*.
- "Improving single noise level diffusion samplers with RGOs"
  L. Dadi, A. Janchevski, V. Cevher, *ICLR 2025 Workshop on Deep Generative Models*
- "Faster Inference of Flow-Based Generative Models via Improved Data-Noise Coupling",
  A. Davtyan, L. Dadi, V. Cevher, P. Favaro, *ICLR 2025*.
- "Finding actual descent directions for adversarial training"
  Fabian Latorre*, Igor Krawczuk*, Leello Dadi*, Thomas Pethick, Volkan Cevher, *ICLR 2023*.
-"The Effect of Intrinsic Dimension on the Generalization of Quadratic Classifiers"
  Fabian Latorre, L. Dadi, P. Rolland, V. Cevher, *NeurIPS 2021*.
-"Generating Sparse Stochastic Processes using Matched Splines"
  L. Dadi, S. Aziznejad, M. Unser, *IEEE TSP 2020*.

Skills

Preferred Languages : Python and C++.
Experience with PyTorch, jax, AWS, and mlflow
Open source contributions: Matrix functions for jax (sqrtm, schur)
Languages: English, French

Teaching experience

TA for Introduction to Computer Science with C++, Mathematics of Data, *EPFL, Switzerland*
Teaching staff for Introduction to algorithms for highschoolers, *Addis Abeba, Ethiopia*