

Léo Dana

Graduated student in mathematics, ENS de Lyon

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24 years old, [website](#)



Education

2020–2025



Bachelor and Master of Mathematics, École Normale Supérieure, Lyon

Courses in geometry, topology, algebra and probability, with additional computer science courses. Specialization in Probability, Statistics and Machine Learning

2018–2020

Preparatory Classes, Lycée Janson de Sailly, Paris 16-th

Preparation for a highly competitive examination to enter scientific universities. Undergraduate courses in mathematics, physics and computer science. Graded 17th at *ENS de Lyon*.

Internships

Spring 2025



Research, Kayros, Paris

A 22-week internship on developing deep-learning algorithms to detect methane leaks using geostationary satellite images.

Fall 2024



Research, Inria, Paris

A 22-week internship directed by Francis Bach and Lucas Pillaud-Vivien on the convergence of shallow ReLU networks to global minimum of the loss. (Article available on arXiv [here](#).)

Spring 2024



Research, Dauphine - Lamsade, Paris

A 18-week internship on Mechanistic Interpretability to understand memorization in deep-learning models directed by Yann Chevaleyre. (Article published at AISTATS [here](#).)

Summer 2023



Research, FAR AI & SERI MATS, Berkeley, US

A 20-week internship on Mechanistic Interpretability and activation vectors, building a gear-level understanding of Large Language Model's behavior, directed by Claudia Shi.

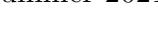
Summer 2022



Research, IRT Saint Exupéry, Toulouse

A 10-week internship on Conformal Prediction and large deviation inequalities, directed by Sébastien Gerchinovitz.

Summer 2021



Research, I2M (Institut de Mathématique de Marseille), Marseille

A 6-week internship on reinforced random walks modeling ant behavior, directed by Bruno Schapira.

Work and Volunteering

2022-Present



AI Safety Volunteer, [EffiSciences](#)

I helped create the association EffiSciences, whose goal is to promote impactful research, and I have co-written a report on how to make French research more impactful. I also co-organized two 20-person summer boot camps on AI safety, as well as hackathons and training days.

2021-Present

Seminars

I taught or helped in various seminars : [Category Theory](#) (ENS de Lyon, 2021), [Fractal Geometry](#) (ENS de Lyon, 2022), [Turing Seminar](#) (with Cesia at MVA master, 2023-2024), [General-Purpose AI Policy Lab](#) training course (Science-Po, 2025)

2021-2022 **Oral exam preparator**, *Les Lazaristes*, Lyon
Dispensing math oral exam to the students preparing for nationwide competitive exams
in engineering

Skills and interests

Languages : French (mother tongue), English (C1)

IT : Latex, General Python, Pytorch, [GitHub](#)

Sports : Cycling, Running, Strength training, Brasilian Jui-jitsu