


# Léo Dana

Graduated student in  
mathematics, *ENS de Lyon*

36 rue de la tourelle  
Boulogne-Billancourt, France  
✉ [leo.dana@ens-lyon.fr](mailto:leo.dana@ens-lyon.fr)  
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**, *Kayrros*, 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 Loucas 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 Chevalyre. (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, Brazilian Jui-jitsu