

# Léo Dana

*Graduated student in mathematics, ENS de Lyon*

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24 years old, [website](#)



## Education

2020–2024



**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

Fall 2025



**Research**, Inria, Paris

A 22-week internship with Francis Bach and Loucas Pillaud-Vivien on non-convex optimization for neural networks.

Spring 2024



**Research**, Dauphine - Lamsade, Paris

A 18-week internship on Mechanistic Interpretability to understand memorization in deep-learning models directed by Yann Chevaleyre. This lead to my [first research paper](#).

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 modelizing ant behavior, directed by Bruno Schapira.

## Work Experience

2022-Present



**AI Safety Volunteer**, EffiSciences

I helped create the association EffiSciences which goal is to promote impactful research. Organized two 20-people summer boot-camp on AI safety, as well as hackathons and training days.

2021-2022

**Oral exam preparator**, Les Lazaristes, Lyon

Dispensing math oral exam to the students preparing nationwide competitive exams in engineering

2021-2022

**Teacher at the student Seminar**, École Normale Supérieur, Lyon and Ulm

I taught three courses for the student seminar :

- In 2021 on [Category Theory](#)
- In 2022 on [Fractal Geometry](#)
- In 2023 & 2024 the [Turing Seminar](#) with EffiSciences

## Skills and interests

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

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

Sports : Cycling, Strength training, Brasilian Jui-jitsu