

Antonin LECOCQ

✉ antonin.lecocq@dauphine.eu | 🌐 dj4nto.github.io

Third year Student in Mathematics at Université Paris Dauphine - PSL

EDUCATION

Bachelor – Applied Mathematics

Sep. 2024 – Present

Université Paris Dauphine – PSL, Paris, France

Coursework: Calculus, Algebra, Probability Theory, Algorithms and Programming, English, ...

EIB Étoile High School, Paris, France

Sep. 2021 – Jun. 2024

French General Baccalaureate obtained with high honors, specializing in Mathematics, Physics and Chemistry, and Computer Sciences.

PROFESSIONAL EXPERIENCE

Mathematics Research Intern – MAP5, Univ. Paris Cité, Paris, France

Jun. 2026 – Jul. 2026

Study of the $SO(n)$ group, writing of a [research report](#), and development of geometric registration models using Python and PyTorch.

Backend Developer Intern – Celesta, Lisbon, Portugal

Jul. 2025

Development of Symfony APIs in microservices, PHP refactoring, Docker and KYC functionality.

Treasurer – Bureau des Arts de Dauphine, Paris, France

Sep. 2025 – May 2026

Financial management of artistic projects, fundraising and event organization.

Webmaster – Bureau des Arts de Dauphine, Paris, France

Oct. 2024 – May 2026

Security, maintenance, and updates of three websites dedicated to promoting events.

Waiter – Taokan, Paris, France

Jul. 2021

RESEARCH

Lecocq, Antonin (2026). *Study of the Lie group $SO(n)$ in the context of shape analysis*. Tech. rep. Under the supervision of Rayane Mouhli. Université Paris Cité, MAP5. DOI: [10.5281/zenodo.21557282](https://doi.org/10.5281/zenodo.21557282).

TECHNICAL SKILLS

Programming

Python, C, PHP, Haskell, Bash Unix, $\text{\LaTeX}$

Tools & environments

Git, Unix/Linux, Microsoft Excel, NumPy, Matplotlib, PyTorch

Languages

French, English, Italian

CERTIFICATIONS & ACTIVITIES

GQS Trainer Certification & PSC First Aid Certification – French Red Cross

May 2025

French General Baccalaureate – Paris Education Authority

Jul. 2024

PIX Digital Skills Certification – Pix

Dec. 2023

Level 2 Diver Certification – FFESSM

Aug. 2023

Aeronautical Initiation Certificate (BIA) – French Ministry of National Education

Jun. 2022

Advanced Open Water Diver – PADI

Mar. 2022

First Place at the [Globeducate France Robotics Challenge](#)

2023

Ranked #6894 on the [Root-Me](#) cybersecurity challenge platform, with 1980 points

Digital music composition, Hiking, Scuba diving