Arthur DANJOU

Master's Student in Applied Mathematics, focused in Statistics. Looking for a 2 months internship in mathematics applied in data science

Profile

I am a first-year Master's student in Mathematics at Université Paris-Dauphine, with a strong passion for mathematics, artificial intelligence, and innovation. I am eager to contribute to research and real-world applications through an internship focused on applied statistics and data analysis.

Education

SEP 2024 - MAY 2025

M1 Mathematics Applied in **Statistics**

UNIVERSITÉ PARIS-DAUPHINE

- **Project: Monte Carlo Simulation**
 - Exploration of various estimators using Monte Carlo methods.
 - Implementation and analysis in R, with detailed documentation written in LaTeX.
- **Project: Generalized Linear Models**
 - Study and comparison of different GLMs applied to the same
 - · Application of linear regression techniques.
 - Analysis and data visualization using R.

Mathematics Bachelor's degree

SEP 2021 - MAY 2024

with honors (14,4/20)

UNIVERSITÉ PARIS-SACLAY

- Project: Schelling's Segregation
 - Statistical and probabilistic analysis of Schelling's segregation model.
 - · Simulation and visualization of results using Python.
 - Writing a scientific article in LaTeX detailing methodologies and conclusions.

2021

Mathematics & Physics-Chemistry

Baccalaureate with honors (15,2/20)

LA SALLE PASSY-BUZENVAL HIGH SCHOOL

Work experiences

FEB 2022 — PRESENT

ArtDanjProduction

AUTO ENTREPRENEUR

- **Development**, design and conception of personal projects
- Learning new programming languages and new technologies
- Maintaining and updating projects in production
- Fixing bugs
- Writing documentation and articles related to projects

SEP 2022 - NOV 2024

Picard

SALES ASSISTANT II

- Welcoming and advising customers
- Restocking and delivering products in the store
- Ordering products depending on the global stock
- Cold-chain monitoring and cleanup of the freezers

JUN 2019 — 2 WEEKS

Idemia

OBSERVATION INTERNSHIP

- Discovery of the **AI sector** of a leading company in Identity
- Discovery of the IT sector and the **Datacenter**
- Meetings with different professions of the company (developers, engineers, ...) to ask questions and explore their jobs



Info

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Skills

- Programming Languages (Python, R, TypeScript, Java), Git and LateX.
- Main libraries (Numpy, Seaborn, Pandas, ...)
- Databases (SQL, Redis)
- Hosting and deployment (VPS and Cloud)
- Containerisation with Docker
- Principal Components Analysis (PCA)
- Factorial Correspondence Analysis (FCA)
- Inferential Statistics (tests, confident intervals and estimators)
- Generalized Linear Models
- Linear Algebra
- Time series

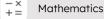
Soft Skills

- Organised
- Determined
- Curious
- Patient
- Team player

Languages

- French (native)
- English (B2/C1)
- Spanish (A1/A2)

Interests











Cloud & Infrastructure

