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 dataset.
  - Application of linear regression techniques.
  - Analysis and data visualization using R.

SEP 2021 — MAY 2024

Mathematics Bachelor's degree
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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🌐 arthurdanjou.fr   arthurdanjou   arthurdanjou

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

Mathematics   AI   Programming

Cloud & Infrastructure   Sport