

# Dunand DJAKAI

ENSAE Paris student – Aspiring Quant  
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+33 7 45 65 32 15 - Portfolio Web

## Education

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**ENSAE Paris, Engineering degree** – Sep. 2024 – Present  
Relevant coursework: Functional and Convex Analysis, Statistics with SAS and R, Probability Theory, Micro- and Macroeconomics, Optimization.

**University of Douala, BSc in Mathematics** – Sep. 2021 – Jun. 2023  
Relevant coursework: Measure Theory, Statistical Inference, Functional Analysis, Numerical Analysis, Linear and Bilinear Algebra, Stochastic Processes, Topology, Differential Calculus.

## Work Experience

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**Intern - Multi-Armed Bandits for Financial Strategy Allocation (CREST)** – jun. 2025 - Aug. 2025  
Exploration vs. exploitation in trading: implemented UCB and Thompson Sampling to select optimal trading strategies in a simulated environment. Python + NumPy.

**Math Tutor — Prépas Concours Centers(Douala)** – Aug. 2022 – Sep. 2024  
Assisted students preparing for national exams and oral interviews in mathematics.

## Academic Projects

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**Descriptive Statistical Analysis with SAS (ENSAE)** – 2024  
Used data from the European Social Survey (ESS 2012) to explore correlations between subjective well-being and income level using SAS procedures and macros.

**Optimization under Constraints in Python (ENSAE)** – 2025  
Solving flow problems using Ford-Fulkerson and assignment optimization via the Hungarian algorithm.

**Principal Component Analysis with R (ENSAE)** – 2025  
Dimension reduction and visualization of multivariate data using PCA in R.

## Skills

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- **Programming:** Python, R, C++, SAS, LaTeX
- **Data Analysis:** SAS, R (PCA), Excel, Pandas , SQL

## Languages

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- French: Native
- English: Intermediate (B2) – currently improving toward fluency

## Certifications

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- Python for datascience AI and development
- Python for Finance (DataCamp)

## Interests

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- Reading: Philosophy, Science
- Sports: Football, Boxing