Gilles Delpy SOP FOFOU

Student Researcher in Quantitative Finance.

⚲ 10 Avenue du General Leclerc 78230 Le Pecq, **France** ✉ delpysop@gmail.com ⊞ Delpy SOP ☎ (+33) 776376569 ⚑ Cameroonian nationality

◆ Education

09/2023 - Current

➤ **ESILV école Supérieure d'Ingénieur Léonard de Vinci**   **Paris, FRANCE**

Master's Degree in Financial Engineering & Quantitative Finance - Ranked Top **15%**

Relevant Coursework: Mathematical modeling for finance, Option theory, Market risk, Machine learning et data science, Deep pricing, Advanced Probability and Statistics, Optimization, Stochastic Calculus

09/2021- 06/2023

➤ **Classe préparatoire IBN GHAZI**   **Rabat, MOROCCO**

Preparation programme to Top French engineering school entrance exams- MPSI/MP* (option Maths and Physics) - Ranked Top **5%**

07/2020

➤ **Lycée de LOUM**   **Loum, CAMEROON**

Scientific Baccalaureate (C) - Ranked Top **2%**

President, Science Club: Led the club in organizing tutoring sessions, general knowledge competitions, and scientific experiments.

◆ Experience

12/2023 - Current

Private Tutor   **Paris, FRANCE**

COMPLETUDE

- Provided one-on-one tutoring in Mathematics, Physics, Chemistry, and Computer Science for high school students.
- Assisted students in understanding complex concepts, completing homework, and preparing for exams.
- Helped students improve their grades by an average of 6 points in Mathematics and 4 points in Physics and Chemistry, on a scale of 20.

2022

Founder of AGROFARM+,   **Nlohe, CAMEROON**

a farm located in Cameroon specializing in pig, rabbit, and poultry farming, as well as cereal crop cultivation. Managed agricultural operations, supervised production processes, and developed a sustainable and local approach to farming.

◆ Projects

09/2024 - Current

NEXTWISE Challenge

Participation in an international portfolio management competition as part of a 7-member team, with a virtual allocation of €50,000, developing skills in financial analysis, asset diversification, and risk management.

06/2024 - Current

Student Researcher

DVRC - ESILV

Research Project: Optimization of Share Buyback Programs with Stochastic Volatility Using Machine Learning

- Objective: Optimize share buyback programs by incorporating stochastic volatility to enhance liquidity and risk hedging strategies through machine learning.
- Expected Outcome: Publication in a scientific journal.

2023

TransConnect Management System

Developed a C# application to manage TransConnect's employees, clients, and orders, featuring a dynamic organizational chart, real-time updates, and comprehensive data visualization, implemented in a team of three.

2023

Football Results Prediction Project

Utilized advanced machine learning techniques to accurately predict football match outcomes by integrating and analyzing complex data.

◆ Additional information

Technicals Skills:
- Programming Languages: Python, R, C#, SQL, PL/SQL, HTML, C
- Software Tools: VS Code, MATLAB, GitHub, Microsoft 365, Notepad++, Photoshop, SOLIDWORKS

Languages: Native in French & Fluent in English

Interest:
- Automobiles: Passionate about automobiles and automotive engineering, fascinated by new technologies and vehicle performance
- Sports: Regularly play football and basketball, interested in motorsports and e-sports.
- Travel: Extensive experience living and studying in Cameroon, Morocco, and currently in France, adept at adapting to new cultures to enhance my global understanding.
- Reading: Enthusiastic about literature on finance, technology, and philosophy, enriching my perspectives and critical thinking skills.

Soft Skills: Strong work ethics, innate curisoity, teamwork, communication skills, fast learning abilities, excellent stress and pressure management skills

Awards and Recognitions:
- Best Cameroonian Student in Morocco
- Top 10 in National Math-Physics Competition, Cameroon