VITSE DEMIAN

Paris · +33 7 6642 3660 · vitse.demian@gmail.com · https://www.linkedin.com/in/demian-vitse/ · 6 month internship July-December 2025

With a passion for market finance and an appetite for solving complex problems, I specialize in the development of quantitative strategies and the modeling of market dynamics. My approach combines creativity, rigor and technical expertise, allowing me to optimize decision-making and exploit inefficiencies. My multicultural and multilingual background gives me a unique ability to adapt and collaborate in dynamic international environments.

PROFESSIONAL EXPERIENCE

Banco Azteca (Mexico City) 04/2024 - 08/2024
Quantitative Research – Pricing FX (Internship)
- Analysis and optimization of currency pricing (bid-ask spread on spot), exchange rate monitoring, econometric modeling, and price elasticity evaluation.
- Development and automation of pricing, exchange rate, and elasticity analysis models in Python, enhancing efficiency, accuracy, and price management for over 2,000 branches in Mexico.
- This work led to an **8.4%** increase in revenue by optimizing pricing strategies.

Snowball.mx (Mexico City) 06/2022 - 07/2022
Financial Analyst (Internship)
- Business financial analysis, financial performance assessment, assessment of financial statements, key performance indicators and market trends to support strategic decision making.

EDUCATION

Université Paris Dauphine PSL (Paris) 09/2024- Present
Master Finance (M1)
- 1st Semester: Interest Rate Markets, Investments and Financial Markets, Derivative Instruments and Markets, Financial Analysis, Microeconomics for Finance, Private Equity, Python
- 2nd semester: Banking and financial intermediation, Corporate finance, Financial modeling and applications (VBA), Risk Premia, Quantitative Finance, Behavioral finance, Green and responsible finance

Université Paris-Est Créteil (Créteil) 09/2021 - 06/2024
Licence Economy and Management
- Course L3+ International Economics & Management (selective specialty course as part of the diploma, taught in English): Econometrics, Game Theory, International Trade and FDI, WAS, Financial markets (16.93/20 - **N.1**)
- L2+ course: Market and imperfect competition, Probability, Money and finance (16.11/20 - **N. 1** out of 376)
- L1+ course: Microeconomics, Macroeconomics, Mathematics, Statistics, Accounting (17.50/20 - **N. 1** out of 441)

Universidad Carlos III (Madrid) 02/2023 - 06/2023
Exchange program Erasmus+
- Second semester of L2+ in international exchange in economics (Courses taught in Spanish and English)
- Mathematics, Political economy, Financial economics, Dynamic, monetary and financial macroeconomics

La prépa des INP (Toulouse) 09/2020 - 04/2021
Integrated preparatory class in engineering
- Fundamental knowledge of mathematics, physics and basic engineering principles

Lycée Franco-Mexicain (Mexico City) 2008 - 2020
Primary, Middle and High School
- Terminale S (Physics-Chemistry Specialization) with Baccalaureate 17.23/20 - Very good mention

CERTIFICATE AND QUANTITATIVE PROJECTS

Data Science Certificate - Université Paris Dauphine PSL
- **Machine Learning** (Python - Scikit-learn, Pytorch…) : K-means, SVM, Neural Networks, Decision Trees, Random Forests
- **Data Management** : SQL, database management and analysis

Quantitative research projects and model implementation on Python
- Momentum strategy: Backtest and simulation of a Momentum factor strategy on MSCI indices, portfolio management
- Quantitative Analysis and Trading on Cryptos: Retrieval and analysis of market data in real time (with Coinbase API), study of correlations with different lags and extraction of signals with Machine Learning.

OTHERS

Languages: English (C1 Level - IELTS), Spanish (C2), French (C2), Hungarian (C2), German (A2)
Mastered tools: Python (pandas, numpy, scikit-learn…), Excel et VBA, SQL, Word, Power Point
Skills: Modeling and quantitative analysis, Data sciences (data management and analysis), Precise, Dynamic
Interests: Travel, Football, Escape games, Strategy Games, Personal Finance, Deep Learning (neural networks)