



ALAN DROMAS

PROFILE

French Citizenship
23 years old
Driving license 

CERTIFICATION **Bloomberg®**
[Bloomberg Market Concept Certificate](#)

CONTACT

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GitHub: 
github.com/Kainetrt

LANGUAGES

French: Native language
English: Fluent 603/677 TOEFL B2
German: B1

SKILLS

SOFT SKILLS:

- Curiosity
- Team spirit
- Sense of initiative
- Critical Mind



IT ACADEMIC/PROFESSIONAL:

Python, SQL, C++, Java, Ada, C#, R, VBA, ADA, MATLAB
Excel, Office, Git, Linux, Tableau, UBS Delta, Riskmetrics, Simcorp Dimension, DataBricks, Bloomberg, Factset

IT PERSONAL:


C, Batch, HTML, CSS, LATEX, TI-Basic, Assembly, Julia, Keras
SCILAB, Postgres, Android Studio, ...


CENTER OF INTEREST


Running (5km at 16km/h)
Rubik's cube (average 15 seconds)
Astronomy
Chess

**LOOKING FOR A 6 MONTH INTERNSHIP STARTING AS SOON AS POSSIBLE.
CURRENTLY IN THE LAST (5TH) YEAR OF A FRENCH ENGINEERING SCHOOL.
WILLING TO TAKE PART IN THE CFA LEVEL 1 SESSION AUGUST 2024.**

WORK EXPERIENCE

04/2023-08/2023 **Investment Analyst Fixed-Term Contract AXA Investment Managers,**
 **Pierre François DE MONT-SERRAT** **Paris la Défense**
Fixed-Income, ESG, Data, Dataviz, Risk Exposure, Optimization.


04/2022-04/2023 **Investment Analyst 2x6-months Internship AXA Investment Managers,**
 **Pierre François DE MONT-SERRAT** **Paris la Défense**
Core Investment Analyst Fixed Income. Developing tools to improve the analysis capabilities of the portfolio manager. Tools focused on performance, ESG and risk analysis (python, Excel, Streamlit, Rise). Industrializing some process (RPA, Excel, Simcorp, UBS Delta). Designing and populating SQL database to use the data in Monthly 'Investment Oversight Committees' (Tableau, MSSQL, DataBricks, python, Excel).

09/2021-04/2022 **Optimization portfolios with genetic algorithms collaboration with Alten**
 **Armand LÉONARDI** **Paris la Défense**
Usage of historical stock's data from Bloomberg and storage on a SQL Database stored on a private Network, Python with Tkinter. Use of the Agile methodology and GitHub.

EDUCATION

09/2020-09/2024 **ESILV – Financial Engineering School** **Paris la Défense**

- Quantitative Finance & Financial Markets:
Derivatives Pricing & Hedging
Market Risk, Investment Management & Financial Concepts
- Programming for Finance:
Advanced Oriented-Object Programming: C#, C++, VBA
Machine Learning: Python, linux with git
- Statistics and Probabilities:
Descriptive, Inferential & Data Statistics (with RStudio)
Probabilities: Stochastic, Measure & Limit Theorems
- International Mobility RIGA Technical University, Latvia:
Special Data Processing, Development Methods, Intelligent Software, Evolution of Object-Oriented Software, ...
- Additional Class:
Deep learning (Google) and quantum computing (IBM)

09/2018-09/2020 **CPGE Lycée Condorcet, PCSI-PSI** **75009 Paris**

Intensive preparation for the top french engineering school
Maths, Physics, Chemistry, Philosophy, Engineering.

PROJECTS

Personal Projects:

2019-2024 **Long term Portfolio management using bot,**
IBKR API, twitter NLP, raspberry pi, python, MariaDB SQL

Academic Projects:

08/2023 **Google Bard and ChatGPT API**

03/2022 **Implementation of an order book in Python**

OOP Python pandas DataFrame, compare buy/sell order to eventually execute and log them in a SQL Database.

03/2022 **Deep learning Fraud prediction in financial payment**

PyTorch neural network, predict the fraud in financial payment.

12/2021 **C++ Option pricer**

CRR* Model, Black Scholes Model and Binomial Model for American, European and Asian options. Use of GitHub.

11/2021 **VBA support tool for a portfolio manager**

Determining the best asset compared to the user's order in a VBA UserForm using different factor such as the Momentum factor, the Capital Asset Pricing Model and the Asset Pricing Model.