



Alejandro Moral Aranda
Finance-IT Enthusiast

About Me

Strong interest in finance, programming, and mathematics, with a drive to learn new skills and develop practical projects.

Contact Me

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- Luxembourg
- alejandromoralcontact@gmail.com
- (CV) <https://alemxral.github.io/cv/>

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Education

Bachelor of Finance and Accounting
University of Malaga

Sep. 2019 - Sep. 2022 (3 Years)

- University Program in Value Investing, Degree completion one year ahead of schedule
- Program in Valuation Analysis, Investment Analysis Fundamentals, Assets Valuation Methods, Comparable Analysis, DCF (Afi Business School)
- Relevant Coursework: Accounting, Corporate Finance, Statistics, Econometrics, Financial Operations

Master of Science in Financial Economics
University of Luxembourg

Sept. 2023 - Sep. 2024 (1 Year)

- Relevant Coursework: Econometrics (Causal Inference), Programming in R, Financial Econometrics (Time Series), Economics Research, Well-being Research, Survey Data Analysis (Stata), Microeconomics (Dynamic Programming)

Bachelor in Data Science
IU International University of Applied Sciences

Sept. 2024 - Sep.2027 (3 Years)

- Relevant Coursework: Calculus and Linear Algebra for Data Science, Mathematical Statistics and Inferential Techniques, Probability Theory with Applications in Stochastic Modeling, Comprehensive Database Management and Optimization Techniques, Foundations of Machine Learning and Algorithmic Design, Predictive Analytics and High-Dimensional Data Visualization

C/C++ Coding Program
42 Luxembourg

May. 2025 - Present (8 Months)

- Relevant Coursework: C Programming, Algorithms and Data Structures, System Programming, Network Programming, Low-Level Programming, Software Engineering Principles



Work Experience

Individual Investor

2020 - Present (6 Years)

- Portfolio Management of my own investments in stocks and funds, valuation analysis with comparables.

M&A Analyst Internship (Empresax)

June 2021 - August 2021 (2 Months)

- Work in a buy-side mandate in the heating industry, Searching for potential acquisition.

Wealth Management Internship (UBS Europe SE)

October 2021 - March 2022 (5 Months)

- KYC for physical persons, risk profile analysis, AML and management of bank accounts.

Private Debt Fund Accountant (Alter Domus)

April 2022 - May 2023 (1 Year 1 Month)

- Fund Accounting for Permira Debt Funds, Subordinated Syndicated Loans, Work with financial instruments: Syndicated Loans, ITLs, Swaps, Preferred Equity, Bonds and FX Forwards, Prepare accounting, financial statements, CAS, capital calls, distributions and debt restructuring.

Private Equity Fund Accountant (Intertrust)

April 2023 - November 2023 (7 Months)

- Fund Accounting for Private Equity Funds, Prepare accounting, financial statements, CAS, capital calls, distributions, equalizations, NAV calculation.

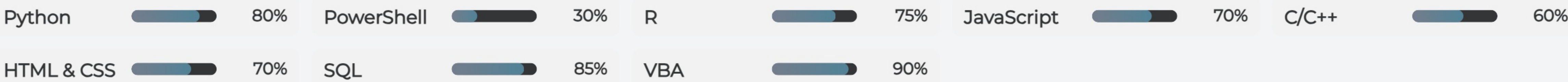
PERE Fund Accountant (Arendt Investor Services)

February 2024 - Current (1 Year 11 Months)

- Fund Accounting for Private Equity and Real Estate Funds (GLP), responsible for preparing financial statements, NAV calculation, CAS compliance, and managing capital activities such as calls, distributions. Skilled in waterfall calculations, fee structures, complex investor allocations, and fund performance analysis.



Skills



Interests



Chess



Maths



Anime



Coding



Football



Languages



Spanish
(Native)



English
(Fluent)



French
(Medium)



Japanese
(Basic)



Chinese
(Basic)

PROJECTS



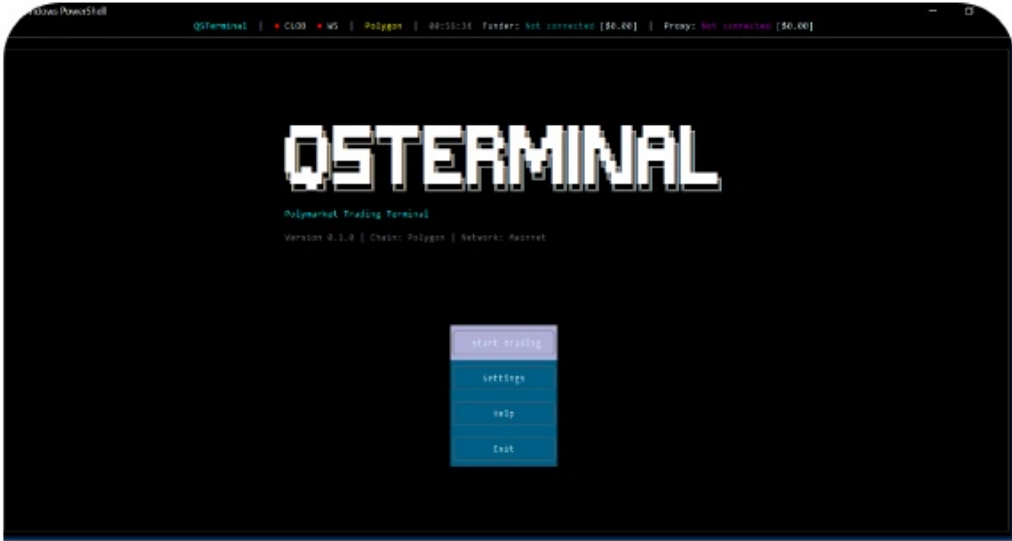
Polymarket Trading

Active trader on Polymarket ranking in the top 2% by profitability (1.3M users). Aggregated trading performance and analytics are available via the reference link below. I also serve as a validator for the UMA Oracle, participating in event resolution and validating on-chain price feeds.

Polymarket Account

View trading analytics (Hashdive)

Trading / Markets / DeFi

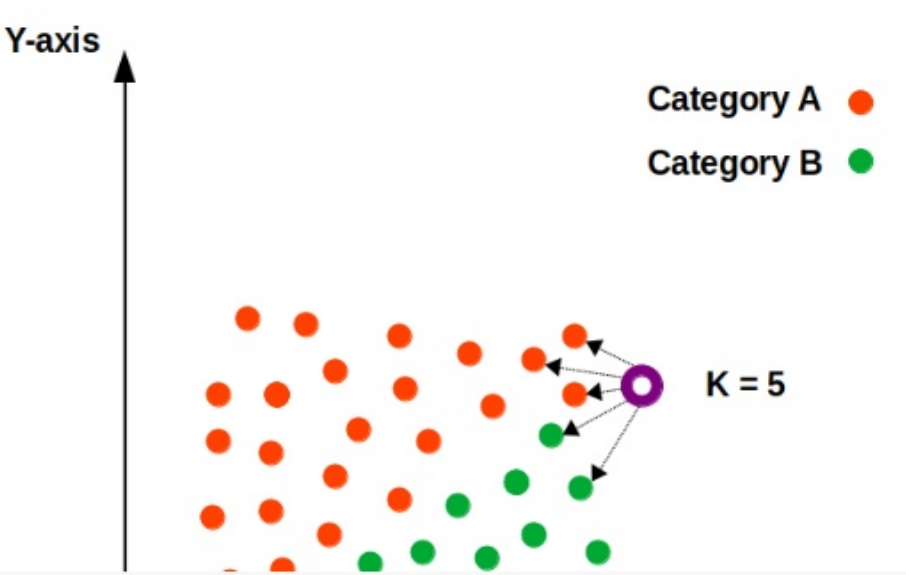


Polymarket / Polygon Trading Client, Utility Library & Terminal

Built a production-grade client for Polymarket/Polygon: REST + WebSocket utilities, order-book adapters and order management. I also developed a fast execution terminal that supports remote strategy deployment and remote order execution (for automated trading), integrating with a custom Exchange contract to perform atomic swaps between binary outcome tokens and collateral. I also serve as a validator for the UMA Oracle, contributing to on-chain price feeds and oracle governance.

View Project

Python / Trading / Infrastructure



Algorithmic Trading

Trading strategy for predicting market open direction using Leave-One-Out Cross-Validation and k-Nearest Neighbors with asymptotically optimal weights.

View Project

Python/Data Science

Predicting Market Openings using LOOCV Cross-Validation k-Nearest Neighbors with Asymptotically Optimal Weights

Alejandro Moral Aranda

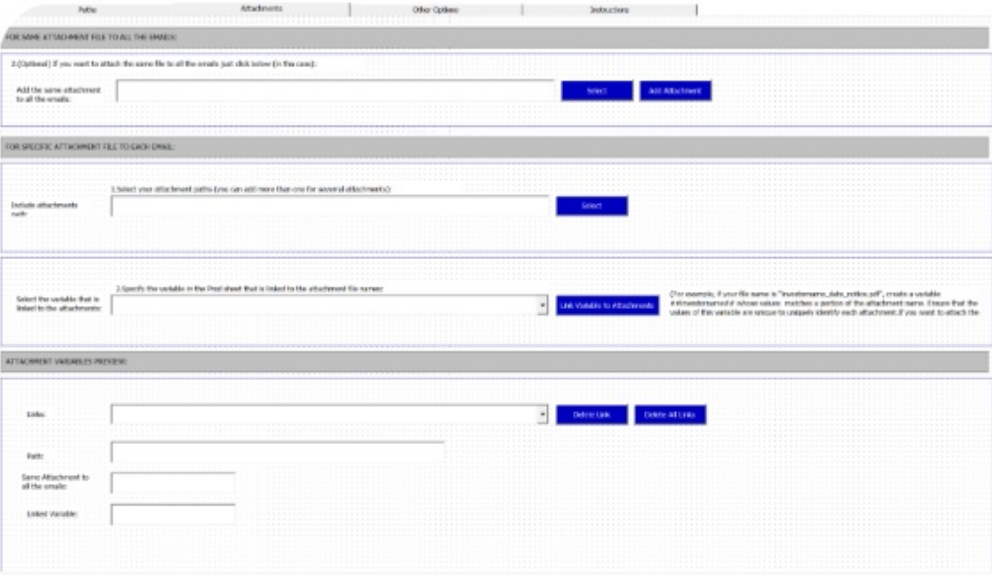
March 8, 2025

Research Papers

A collection of research papers that I have authored on topics related to finance and data science.

View Project

Econometrics/Data Science



VBA Automated Reporting Tools

Three advanced tools in Visual Basic for Applications (VBA) designed for large-scale email and report generation. Automate the creation of custom reports using templates configured in Word, Excel, or email formats to meet diverse reporting needs.

View Project

Visual Basic for Applications (VBA)

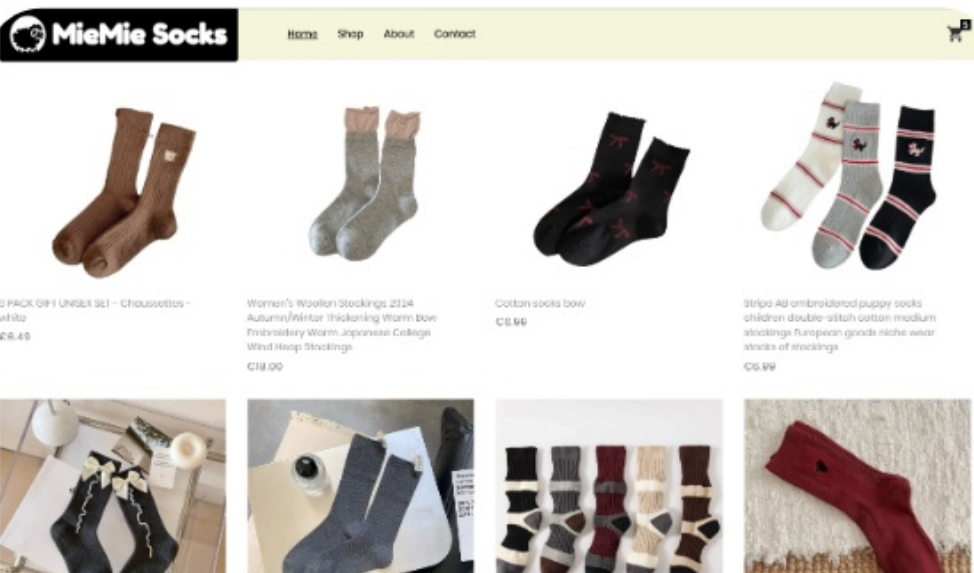


TareaFlow

A web-based solution with a simple internal PowerShell server that includes a Team Task Tracker, Team Holidays, and Work From Home management tool—all running locally on your localhost with no installation required.

View Project

Powershell/JavaScript

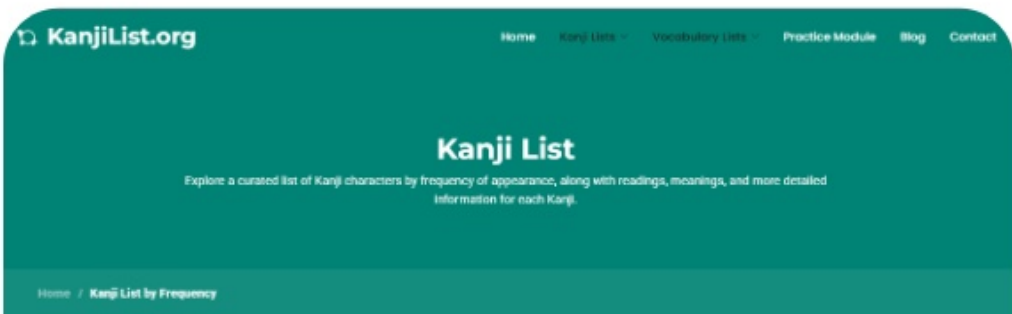


MieMieSocks

A sleek online shop mockup designed for selling stylish socks, developed using Bootstrap and Node.js.

View Project

Node.js/JavaScript



KanjiList.org

A nonprofit website dedicated to learning Japanese, focusing on mastering kanji and their readings effectively.

View Project

Python/WebScraping/Web Dev