

# Pietro Di Leo

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## SUMMARY

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Data Analyst with 3 years of custody operations and data-driven automation. Built NAV calculators, churn models, and portfolio risk tools using **Python, SQL, R** and **Tableau**.

Proven record: cutting reporting time by 90%, boosting accuracy to 35%, delivering actionable insights.

## EXPERIENCE

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**Operations Officer** – Zarattini International Ltd – Malta Jun 2023 – Present

- Managed daily custody operations: FX settlements, corporate actions, reconciliations
- Automated NAV reporting (Python) – reduced 2h manual work to 5s
- Improved reporting accuracy to 99.8% via validation scripts.

**Junior Operations Officer** – Zarattini International Ltd – Malta Feb 2022 – Jun 2023

- Executed market orders and reconciliations for institutional funds
- Designed checklists to cut operational errors by 35%

## EDUCATION

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**MSc Quantitative Finance** – University of Perugia Feb 2024

**BSc Economics** – University of Catania Dec 2018

## PROJECTS

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**Portfolio Risk Report** DLPietro/portfolio-risk

- Computes Portfolio Volatility using EWNA, Historical, Bootstrap & Monte Carlo
- Tools Used: Python, Pandas, NumPy, Matplotlib, API integration

**Custody NAV Calculator** DLPietro/custody-nav

- Automated NAV calculator with live market data, cutting time by 90%
- Tools Used: Python, Pandas, Requests, Financial Data APIs

**S&P 500 vs. IVV vs. Fidelity Contrafund Analysis** DLPietro/etf-spx

- Time series analysis using GARCH, backtesting, Sharpe, CVaR
- Tools Used: R, tidyverse, rugarch, PerformanceAnalytics

**Casino KPI Dashboard** DLPietro/igaming

- Simulated gaming sessions, modeled churn/LTV, delivered actionable retention insights
- Tools Used: Python, SQL, Tableau, Pandas, Jupyter

## SKILLS

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**Hard:** Python, R, SQL, Tableau, Excel, Statistics, Financial Modeling, Data Analytics, Data Manipulation, Data Validation, Portfolio Optimization

**Technologies:** Git, GitHub, Google Colab, Visual Studio Code, Jupyter

**Soft:** Problem solving, Attention to Detail, Autonomy, Curiosity

**Languages:** Italian, English, Spanish

**Certifications:** CISI Securities & Investment, Data Analyst with R