

# Pietro Di Leo

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[github.com/DLPietro](https://github.com/DLPietro)

## 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 **Power BI / 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, daily reconciliation
- Automated NAV reporting (Python) – reduced 2h manual work to 30s
- Improved reporting accuracy to 90% 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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**Louisville Metro Payroll** DLPietro/louisville-payroll

- Analyzed 40,000+ public salary records (2020–2024) for trends (overtime, earners, spending, etc.).
- Tools Used: PostgreSQL, SQL, Tableau, DBeaver

**Casino KPI Dashboard** DLPietro/igaming

- Analyzed 40,000 gaming sessions for retention, churn, and LTV, and key player behavior insights.
- Tools Used: Python, Pandas, Numpy, Jupyter Notebook, Matplotlib, Scikit-learn

**User Retention A/B Test** DLPietro/retention-test

- A/B test for a promotional offer on user retention in an iGaming environment
- Tools Used: Python, SQL, Tableau, Pandas, Plotly, A/B testing, Statistical Analysis

**Customer Intelligence Banking Analytics** DLPietro/banking

- Banking analytics, from segmentation to profitability analysis using a dataset of 100K clients and 40 variables
- Tools Used: SQL, PostgreSQL, DBeaver, Excel, Power BI

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

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

## SKILLS

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

**Technology:** Git, GitHub, Google Colab, VS Code, Jupyter Notebook, Linux Debian, PostgreSQL, DBeaver

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

**Languages:** Italian, English, Spanish

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