

# Pietro Di Leo

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github.com/DLPietro

## SUMMARY

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

<b>Operations Officer</b> – 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.	
<b>Junior Operations Officer</b> – 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

<b>MSc Quantitative Finance</b> – University of Perugia	Feb 2024
<b>BSc Economics</b> – University of Catania	Dec 2018

## PROJECTS

<b>Louisville Metro Payroll</b>	DLPietro/louisville-payroll
• Analyzed 40,000+ public salary records (2020–2024) for trends (overtime, earners, spending, etc.).	
• Tools Used: PostgreSQL, SQL, Tableau, DBeaver	
<b>Casino KPI Dashboard</b>	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	
<b>User Retention A/B Test</b>	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	
<b>Customer Intelligence Banking Analytics</b>	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	
<b>Portfolio Risk Report</b>	DLPietro/portfolio-risk
• Computes Portfolio Volatility using EWNA, Historical, Bootstrap & Monte Carlo	
• Tools Used: Python, Pandas, NumPy, Matplotlib, API integration	

## SKILLS

**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