

Francesco Landi

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Profile

Master's student in Computational Finance with experience in quantitative analysis, backtesting, process automation/optimization, and data analysis in Python. Interested in roles in quantitative finance, risk management, and portfolio management.

Education

Master's Degree in Computational Finance

University of Padova, Italy

Oct 2023 – Jul 2026 (expected)

Thesis: Portfolio optimization with dominant cryptocurrencies: an empirical study of risk, return, and diversification benefits

Main tools: Python (pandas, NumPy, statsmodels, matplotlib, BeautifulSoup)

Bachelor's Degree in Statistics for Big Data

University of Salerno, Italy

Oct 2019 – Feb 2023

Thesis: Financial data analysis in Python: oil companies during the Russia-Ukraine conflict

Skills developed: Python, statistical analysis, time series modeling

Experience

Startup Assistant – Le Village by Crédit Agricole

Oct 2025 – Mar 2026

Padova, Italy

Automation of operational and informational processes with Python, including startup scouting, meeting room booking, and email management. Use of AI tools to accelerate research, information synthesis, and internal workflows.

Algorithmic Trading Intern – Automaton Trading LLC

Mar 2025 – Jul 2025

Vilnius, Lithuania

Iterative development of a CME futures strategy using Python, backtesting.py, and Backtrader; configuration testing, performance analysis, evaluation of risk-adjusted metrics with focus on risk control and strategy robustness.

Junior Systems Administrator – Incista S.p.A.

Dec 2020 – Apr 2021

Salerno, Italy

Deploy and maintenance of virtualized Linux environments with Proxmox, Nginx configuration, and infrastructure backup and monitoring management.

Web Developer – Dada Marketing & Comunicazione

Sep 2019 – Dec 2023

Salerno, Italy

Development and maintenance of dynamic pages in PHP/SQL and performance and SEO optimization on Wordpress.

Skills

Languages: Python, SQL, R, PHP

Python Libraries: NumPy, pandas, statsmodels, matplotlib, BeautifulSoup, Selenium

Quantitative Tools: backtesting.py, Backtrader

Areas of Expertise: backtesting, time series analysis, portfolio optimization, performance analysis, forecasting, risk-adjusted analysis, risk management fundamentals, process automation

Tools and Technologies: Git, Linux, Proxmox, Nginx, Wordpress

AI Tools: Cursor, Antigravity, Perplexity, ChatGPT, Google AI Studio

Languages: Italian (native), English (C1), Persian (A2)