

# Francesco Landi

Padua, Italy

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landi.work – Portfolio, Projects, Contact Info

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## Professional Summary

MSc candidate in Computational Finance with hands-on experience in trading strategy design, risk modeling, and futures data analysis. Proficient in Python, SQL, and statistical tools. Developed and backtested strategies during internship at Automaton Trading LLC. Portfolio available at landi.work.

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## Education

### MSc in Computational Finance

University of Padua, Italy

Oct 2023 – Sep 2025 (*Expected*)

*Thesis: Improving portfolio allocation with cryptocurrencies: a risk-adjusted approach using modern data*

Tools: Python (pandas, NumPy, statsmodels, matplotlib, BeautifulSoup)

### BSc 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: R, SQL, PCA, time series modeling

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## Experience

### Algorithmic Trading Intern – Automaton Trading LLC

Mar 2025 – Jul 2025

Vilnius, Lithuania

- Proposed and iteratively refined a trading strategy on CME futures data using Python and backtesting.py, exploring multiple parameter configurations.
- Evaluated performance through Sharpe ratio analysis and parameter optimization to improve risk-adjusted returns.

### Junior Systems Administrator – Incista S.p.A.

Dec 2020 – Apr 2021

Salerno, Italy

- Deployed and maintained virtualized Linux environments using Proxmox.
- Configured Nginx for secure web application hosting, with automated backup and monitoring routines.

### Web Developer – Dada Marketing & Comunicazione

Sep 2019 – Dec 2023

Salerno, Italy

- Developed and maintained dynamic PHP/SQL-based pages; optimized site performance and SEO compliance with Wordpress.
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## Skills

**Programming:** Python (NumPy, pandas, matplotlib, backtesting.py, BeautifulSoup), R, SQL, PHP

**Tools / Infrastructure:** MetaTrader, Git, Jupyter, Linux, Nginx

**Analytical Methods:** Portfolio optimization, risk modeling, time series forecasting

**Soft Skills:** Analytical thinking, adaptability, initiative

**Languages:** English (C1), Italian (Native)