

Pablo Jesús Delgado Muñoz

Professional Profile

Cybersecurity and Artificial Intelligence student with strong practical experience in **algorithmic trading system development**, **financial data engineering**, and **secure automation**. I specialize in creating **modular, intelligent trading bots** capable of executing real-time strategies in volatile markets, primarily within the Forex space.

My work includes the development of custom technical indicators, rule-based strategies, and dynamic risk management models, always supported by robust **backtesting systems** to ensure realistic performance evaluation. I frequently combine **technical analysis** with **machine learning** for predictive modeling and adaptive strategy tuning.

I am passionate about building **high-performance systems** that merge financial logic, AI, and secure development practices.

Professional Experience

Algorithmic Trading Bot Developer

MarketMaster – Jan. 2025 – Present

- Designed and deployed automated trading systems in Forex using Python and real-time broker/exchange APIs.
 - Built full trading pipelines: signal generation, strategy logic, execution control, and capital management.
 - Developed advanced backtesting environments using historical market data (tick and OHLC).
 - Applied vectorization and optimization techniques through custom-built libraries and frameworks like **vectorbt**.
 - Integrated robust risk management logic including trailing stops, volatility filters, and drawdown control.
 - Focused on modular, scalable, and secure architecture for production deployment.
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Cybersecurity & AI Undergraduate Student

University of Málaga – Sept. 2023 – Present

- Academic focus on network security, cryptography, ethical hacking, machine learning, and software engineering.
- Participated in cybersecurity competitions, AI workshops, and collaborative tech projects.

Cybersecurity and Artificial Intelligence Student

📍 Málaga, Spain · ✉ [pablojesusdelgadomunoz@gmail.com] · [\[https://github.com/SilverDelgado\]](https://github.com/SilverDelgado)

🎓 Education & Certifications

- **B.Sc. in Cybersecurity & Artificial Intelligence** – *University of Málaga* (2023 – Present)
 - **Cybersecurity Workshop** – *init.g() Málaga by Google*
 - **NVIDIA Deep Learning Institute**
 - Fundamentals of Deep Learning
 - Fundamentals of Accelerated Computing with CUDA C/C++
 - **ERC – European Resuscitation Council**
 - Basic Life Support (BLS)
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🧩 Technical Skills

Languages & Tools:

Python, C/C++, JavaScript, Git, Docker, CUDA, VSCode

Algorithmic Trading:

- Strategy development: trend-following, mean reversion, breakout
- Technical indicators: RSI, MACD, Bollinger Bands, ATR, EMA/SMA
- Backtesting & Execution Tools: Backtrader, Vectorbt, custom Python frameworks
- Risk control: drawdown limits, volatility filters, position sizing

AI & Data Science:

- Neural networks, supervised & unsupervised learning
- Topological Data Analysis (TDA)
- Pandas, NumPy, Scikit-learn, TensorFlow

Cybersecurity:

- Secure coding practices, OWASP Top 10, penetration testing basics
- Network fundamentals, encryption, authentication

🌐 Languages

- **Spanish** – Native , **English** – C1 (Cambridge), **French** – B1 (DELF)