

Marco Moscatelli

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EDUCATION

Bocconi University

BSc in Economics, Management and Computer Science

Milan, Italy

Sep 2025 – Jun 2028 (Expected)

- **GPA:** 29.86/30
- **Relevant Courses:** Accounting, Linear Algebra, Advanced Statistics, Computer Science, Computer Programming.
- Class and course representative.

Liceo Majorana

Italian Scientific (Applied Sciences option) High School Diploma

Desio, Italy

Sep 2020 – Jul 2025

EXPERIENCE

Bocconi University

Research Assistant

Milan, Italy

Jul 2026 – Present

- Analyzing M&A disclosures to test whether textual features predict post-merger litigation involving target companies, using transformer-based methods to pool information across multiple document embeddings.
- Analyzed 10-K readability using LDA-derived topics, Average Reduced Frequency dispersion measures, naive-Bayes classifiers, and feature extraction from Qwen 8B embedding and FinBERT. Found that specific topics, their ordering, and their dispersion were associated with higher abnormal stock-return volatility, used as a market-based readability measure.
- Research supervised by Professor Claudia Imperatore.

Accenture

Generative AI Engineer Intern

Milan, Italy

Jul 2026 – Sep 2026

- Developed an enterprise AI concierge using large language models, orchestrating specialized agents and routing user requests across different capabilities.
- Built a Neo4j knowledge graph and GraphRAG pipeline combining graph-based retrieval with vector and keyword search, achieving a six-percentage-point improvement over the existing RAG pipeline as measured by an LLM evaluator.

Freelance Web Developer

Self-employed

Milan, Italy

Jun 2022 – Mar 2025

- Delivered full-scale web projects, including SaaS platforms, eCommerce stores, and personal portfolios, from concept to deployment. Implemented CI/CD pipelines and cloud hosting setups (Vercel, Heroku, Netlify), ensuring 99.9% uptime.
- Collaborated directly with clients across Europe, managing all phases of development from UX design and API integration to deployment and maintenance.

EXTRACURRICULAR ACTIVITIES

BSIC Association

Member

Milan, Italy

Jan 2026 – Present

- Contributed to a research paper on regime-based investing that identifies four market regimes and applies a tailored strategy to each; used an XGBoost model to predict which strategy is expected to perform best under current market conditions.

BAINSA Association

Member

Milan, Italy

Oct 2025 – Present

- Built and backtested a macro-gated time-series momentum strategy on S&P 500 (SPY) and Gold (GLD), integrating an OVX oil-volatility gate and a yield-curve state model. Improved risk-adjusted returns (Sharpe and Sortino ratio) and reduced max drawdowns.
- Built a chess engine reaching ~1700 Elo (Benchmarked against Stockfish), implementing minimax with alpha-beta pruning, reinforcement learning, and neural evaluation.

CERTIFICATIONS

- Cambridge C1 Advanced (Score: 199)
- Courses: A Deep Understanding of Deep Learning (with Python intro) - Udemy, The Web Developer Bootcamp 2022 - Udemy

ADDITIONAL INFORMATION

- **Language Skills:** Italian (native), English (C1).
- **Technical Skills:** AI and ML (Python, PyTorch, NumPy, Pandas, Polars, DuckDB, Matplotlib, LangGraph, RAG, knowledge graphs); Backend Development (ExpressJS, Supabase, MongoDB, PostgreSQL, Neo4j); Frontend Development (React, NextJS, Svelte, SvelteKit, Figma); Mobile Development (Expo, React Native).
- **Interests and Passions:** Economics and finance, coding, machine learning, artificial intelligence, and triathlon.