

Kimberly Bertoli

Milan, Italy | +39 3404749443 | bertolikimberly@gmail.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

IE University

MSc in Computer Science, Advanced AI Track

Founder and President, IE Quant Club

Relevant coursework: Applied ML, Algorithms for Computing, NLP for Smart Assistants, ML Engineering

Exchange Program: Singapore Management University

Madrid, Spain

Graduated: Jul 2026

Singapore, Singapore

Bocconi University

BSc in Economics & Finance

Healthcare Researcher, Bocconi Statistics & Data Science Association

Relevant coursework: Statistics, Financial Investments, Quantitative Methods for Finance

Exchange Program: Hanyang University Business School

Milan, Italy

Graduated: Dec 2025

Seoul, South Korea

WORK EXPERIENCE

Microsoft

Data Engineer for AI Products | Capstone

Spain (Remote)

Apr 2026 – Jul 2026

- Built an Airflow-orchestrated pipeline ingesting 54 RSS sources, with incremental loading, semantic deduplication, automated tagging and PostgreSQL upserts
- Generated sentence-transformer embeddings and designed the pgvector data layer powering citation-grounded RAG, personalised ranking and LLM-generated digests

Deloitte & Touche

Junior Financial Data Analyst

Milan, Italy

Sep 2024 – Jan 2025

- Developed a unified chart of accounts for a leading global insurance group, standardising reporting structures across 40+ countries
- Supported the post-merger integration and financial data transformation of international business units into the parent company

Rothschild & Co

M&A and Wealth Management Trainee | Best Performing Team Award

Milan, Italy

Oct 2024 – Nov 2024

- Formulated the sales strategy for a majority stake transaction of a €1.8B revenue family-owned paper company

Banca Sella

FinTech Trainee

Milan, Italy

Oct 2023 – Nov 2023

- Led a startup project focused on a SaaS platform to streamline M&A transactions in Italy, from origination to execution

Accenture

Banking M&A Advisory Analyst

Milan, Italy

Jun 2023 – Sep 2023

- Advised a leading Italian bank on the transfer of its Wealth & Asset Management branch, involving ~€30B in client assets
- Compared services and fee structures to identify cost synergies and design the post-migration offering for 64,000+ private clients

PUBLICATIONS & PROJECTS

Customer Cross-Asset Macro Portfolio | Saxo Trading Simulation

May 2026 – Jun 2026

- Managed a simulated SGD 1M cross-asset portfolio using systematic risk budgeting, macroeconomic research and catalyst-driven trade ideas
- Built a 45-test Python research framework using out-of-sample validation, Newey-West inference, bootstrap testing, cointegration, FDR screening and Ornstein-Uhlenbeck modelling

[“The Shadow of Crime”](#) | First-Author, *Peace Economics, Peace Science and Public Policy* (De Gruyter)

May 2026

- Analysed crime victimisation and perceived safety across 300,000+ Europeans using ESS data (2002–2023)
- Estimated OLS models with country and survey-round fixed effects and gender interactions, finding the wellbeing penalty nearly doubled over time and the safety impact was 47% larger for women

Iberdrola Sustainability Datathon | Winner (10,000+ students)

Feb 2026 – Apr 2026

- Architected a Spain-wide EV charging deployment strategy for Iberdrola, building a Python geospatial pipeline with coordinate reprojection, streamed XML parsing, spatial joins and SARIMA forecasting to prioritise 116 sites
- Modelled €39.5M CAPEX and identified 109 grid constraints and €131M grid reinforcement opportunity

SKILLS AND EXTRACURRICULARS

Languages: Italian (native), English (C2), French (B2), Spanish (B2)

Programming & Machine Learning: Python, SQL, R, pandas, NumPy, scikit-learn, PyTorch, RAG, embeddings, LLM APIs

Engineering & Platforms: PostgreSQL, pgvector, Airflow, Docker, Git, MLflow, Optuna, Azure, FastAPI, Power BI

Certifications: MITx Healthcare Finance, GS Excel for Business, Bloomberg Market Concepts, IBM Data Science Professional

Tutoring: 7 years of providing Math, French, and Statistics tutoring to 20+ university and high school students

Interests: Piano (Milan Metropolitan Orchestra), Competitive Cheerleading, Medtech, Tennis, Gymnastics (European bronze)