



Antonio Di Giovanni

DATA SCIENTIST · AI & DATA MANAGEMENT

Milan, Italy

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Work Experience

Data Scientist - Banking

Milan, Italy

ALLIANZ

Oct. 2023 – Present

- Launched the bank's first AI-driven initiatives, joining as one of the **founding data scientists** in a newly formed team.
- Developed the bank's first ML-based **forecasting models**, improving accuracy by up to **15%** over legacy methods and introducing **probabilistic** forecasts to strengthen planning decisions.
- Coordinated a team of up to **4 colleagues** conducting advanced analytics with **results** directly **presented** to an **Allianz world's board member**.
- **Automated** multiple **reports** for **upper-management** and streamlined the data flow for **insights generation**
- Contributed to the development and deployment of **ML projects** across the bank, using **Databricks** and **Azure** technologies.
- Advanced the bank's **data modernization** efforts by contributing to the design and implementation of a **centralized Data Lakehouse** (Data Platform).

Business Analyst (Product Management)

Munich, Germany

PAGONXT – A SANTANDER COMPANY (FINTECH)

Feb. 2023 – Oct. 2023

- Managed the lifecycle of a core **fintech product**, aligning feature development with user needs and engineering capabilities.
- Partnered with engineers, project managers, strategy, and go-to-market teams to **prioritize features** and support smooth rollouts in new markets.
- Led a shift in team working practices by establishing new **communication structures**.

Investment Analyst, Venture Building – Internship

Munich, Germany

BASINGHALL PARTNERS (PAN-EUROPEAN VC)

Jul. 2022 – Dec. 2022

- **Developed and launched** a **data-driven** product for the firm, leading business model design, **MVP definition** and **development**, and **go-to-market** planning.
- Performed **due diligence** on startups, assessing **product-market fit**, capabilities, scalability, and alignment with market trends.

Investment Analyst, Business Development – Internship

Singapore (full-remote)

MOTION VENTURES (VC FUND FOCUSED ON SUPPLY CHAIN AND LOGISTICS)

Jan. 2022 – Apr. 2022

- Conducted deep **analyses of startups** focused on logistics optimization and supply chain resilience.
- Supported **strategic investment decisions** by evaluating predictive modeling approaches and business model robustness.

Strategy Consulting – Internship

Munich, Germany

ACCENTURE STRATEGY (VIA EXTON CONSULTING ACQUISITION)

Sep. 2021 – Dec. 2021

- Supported a pan-European bank **launching** a new **fintech product** by conducting **quantitative analyses**, modeling of user personas and simulating **revenue potential** across markets.
- Worked with financial institutions to develop and launch **digital business models** and revolutionize their offering.

Education

Politecnico di Milano (Polytechnic University of Milan)

Milan, Italy

MASTER IN DATA SCIENCE (POSTGRADUATE)

Oct. 2023 – Oct. 2025

- **GPA** (exp.): **110L/110** (1.0)
- Pursued while working for Allianz, mixing education and **real-world applications**
- **Thesis**: Probabilistic Forecasting and Hierarchical Reconciliation of Investment Flows

Technical University of Munich - TUM

Munich, Germany

MSC IN INFORMATICS AND FINANCE (WIRTSCHAFT UND TECHNOLOGIE)

Oct. 2020 – Dec. 2022

- **GPA**: Graduated with **Distinction**(1.4)
- **Thesis**: Automated Architecture and Hyperparameter Optimization for Deep Neural Networks Applied in Forecasting the Cross-Section of Stock Returns

Politecnico di Torino (Polytechnic University of Turin)

Turin, Italy

BSC IN INDUSTRIAL ENGINEERING

Jul. 2017 – Jul. 2020

- **GPA**: **110L/110** (1.0)
- **Thesis**: Mathematical Optimization of Production Scheduling

Skills

Data Science	Time Series Forecasting, Pytorch, Databricks, SQL, Spark
DevOps	Azure DevOps, Docker, GitLab CI/CD
Programming	Python, Java, Matlab, R, Angular
Languages	Italian (C2 - Native), English (C1)
Office	Excel, PowerBI, Word, PowerPoint, LaTeX

Achievements

Bain Talent Hub - Bain & Company

TALENT PROGRAM

Milan

March 2022

- Selected alongside 35 other students among 800+ applications to attend a 3-days event in Bain's Milan offices

Analytics Cup - TUM

3RD PLACE IN A MACHINE LEARNING COMPETITION

Munich

Jan. 2021

- Machine Learning competition, part of the "Business Analytics" module.
- 260+ participants, 750+ submissions.

NOVA Talent

TALENT NETWORK

April 2023 - Present

- Networking association that screens applicants to accept only the top 3% talent, with members across 86 countries.

Interests

Hiking and Climbing	Former member of the Italian Alpine Club (CAI)
Karate	Black Belt in Shotokan Karate
Building and Restoration	I am fond of historical cars and vehicles and love restoring them myself