

Tommaso Biganzoli

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Available Period: October 1st 2025

Eligible for Full-Time positions

EDUCATION

Università Cattolica del Sacro Cuore | Milan, Italy

MSc in Data Analytics for Business Sept 2023 – Present

Grade point average: 27/30

Relevant Coursework: Database and Advanced Computer Programming (with Python and SQL), Data Visualization and Text Mining (NLP), Stochastic Processes and Optimization for Machine Learning, Deep Learning, Bayesian Modelling (Achieved with a group project using R), Computational Statistics, Applied Linear Models (Achieved with a group project with R markdown software), Principles of Management and Tech Law, Math and Probability, Statistical Inference.

Università Cattolica del Sacro Cuore | Milan, Italy

Bachelor of Business Administration in Business and Economics Sept 2020 – Jul 2023

Relevant Coursework: Management, Corporate Finance, Economics, Business Law, Marketing, Statistics, Organizational Behaviour.

WORK EXPERIENCE

HEKANIZE | Padova, Italy | December 2024 – Present

Artificial Intelligence Engineer | Back-end Developer

- Designed and deployed Retrieval-Augmented Generation (RAG) pipelines and GenAI-powered agents using Python, FastAPI, and LangChain and Developed **highly integrated AI tools and services**, seamlessly connected with the company's SaaS ecosystem for 3k+ users.
- Applied **Machine Learning techniques** for classification, recommendation, and anomaly detection tasks
- Developed scalable web services using **PHP (Laravel)** following **Object-Oriented Programming (OOP)** principles.
- Gained hands-on experience with **Docker** for containerization and deployment of microservices.

INTERFIDAM FIDUCIARIA SRL | Milan, Italy | June 2024 – October 2024

Administrative Assistant – Finance and Operations

- Performed accurate **data entry** and document verification across financial datasets.
- Supported **tax calculation procedures** and preparation of fiscal reports under supervision of senior staff.

MAIN PROJECTS

- Solana Price Prediction (LSTM)
Built and optimized LSTM models for time-series forecasting of cryptocurrency prices, including feature engineering with financial indicators. [<https://github.com/biguz-commits/Solana-SOL-Price-Prediction-Using-LSTM>]
- Food Image Recognition & Nutrition Estimation
Developed CNN-based classifier (ResNet) on Food-101 dataset, integrated with regression models to predict nutritional values. [<https://github.com/biguz-commits/Images-Classification>]

- **Thesis: AI Agents for Product Review Recommendation (Amazon Reviews 2023)**
Designed and implemented a multi-agent recommendation system leveraging semantic retrieval, sentiment analysis, and embeddings from customer reviews. [<https://github.com/biguz-commits/Thesis>]

SKILLS & INTERESTS

Languages

- Italian: Native
- English: Full Professional Proficiency
- French: Limited Working Proficiency

Technical Skills

- **Machine Learning & AI:** Neural Networks, Predictive Analytics, Bayesian Inference, NLP, Statistical Modeling, Decision Support Systems
- **Programming Languages:**
 - **Python** (NumPy, Pandas, PyTorch, TensorFlow, Keras)
 - **R & RStudio** (incl. JAGS)
 - **SQL**
 - **PHP & Laravel**
- **Cloud & DevOps:** AWS (EC2, S3, RDS), Docker.
- **Data Visualization:** Matplotlib, Plotly.
- **Frameworks & Tools:** FastAPI, LangChain, Git, RESTful APIs