

## **Tommaso Biganzoli**

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**Available Period: October 1<sup>st</sup> 2025**

**Eligible for Full-Time positions**

## **EDUCATION**

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### **Università Cattolica del Sacro Cuore | Milan, Italy**

*MSc in Data Analytics for Business* Sept 2023 – Oct 2025

**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**

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### **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**

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- **Agentic scraper** that retrieves structured data from websites with content filters ready for analytics or RAG. [<https://github.com/biguz-commits/WebScrapingAgent>]
- **Multi-agent pipeline for portfolio analytics**: fetches market data, computes returns, risk & exposures, and surfaces actionable metrics for rebalance/reporting. [<https://github.com/biguz-commits/Finance-Crew>]
- **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

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### Languages

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

### Technical Skills

- **Machine Learning & AI:** Agentic Workflows, Embeddings, Prompt engineering, Trasfomers, NLP.
- **Programming Languages:**
  - Python (FastAPI / Django, LangChain/LangGraph, CrewAI, PyTorch/TF, Scrapy)
  - PHP (Laravel)
  - SQL
  - R & RStudio (incl. JAGS)
- **Cloud & DevOps:** AWS (Bedrock | S3), Docker, GitHub Actions.