

DAVIDE GIARDINI

Data Scientist



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 Milan, Italy Davide Giardini

LANGUAGES

English - C1; Italian - native

EXPERIENCE

- 9/2024 – now **AI Developer** PricewaterhouseCoopers Italy
- Conceptualization, **research, development** and deployment of multiple AI and ML services.
 - **Backend** development and deployment using **Google Cloud Platform, Azure Pipelines**, and **Git**.
- 3/2024 – 8/2024 **AI Developer Intern** PricewaterhouseCoopers Italy
- Development of Master Degree Thesis Project.
 - Application of **Named Entity Recognition** on legal documents and implementation of a **chat-bot** with OpenAI API.
- 8/2023 – 1/2024 **Student Researcher** CINI - INSID&S Lab
- Utilization of **NLP** techniques to perform **entity extraction** from unstructured data coming from current judicial investigations.
 - Storage of all textual metadata and recognized entities into a **Graph Knowledge Base** (Neo4j).
 - Application of **Automatic Speech Recognition** algorithms for transcribing audio in text format.
 - Co-authored the **scientific publication**:
Combining Knowledge Graphs and NLP to Analyze Instant Messaging Data in Criminal Investigations.

EDUCATION

- 9/2022 – 03/2025 **Master Degree: Data Science** University of Milano Bicocca; Milan, Italy
- **Thesis Project**: *Unveiling Hidden Information in Unstructured Documents: Organization and Hybrid Retrieval with Knowledge Graphs.*
 - Main focuses: LLMs, RAGs, Data Management, Machine Learning, Deep Learning, Natural Language Processing, Fine Tuning, Artificial Intelligence, Decision Models, Computer Science and Data Science.
 - Graduated in March 2025: **110 with honours**. GPA: 29.53
- 9/2019 – 7/2022 **Bachelor Degree: Statistical Sciences of Economy and Business** Alma Mater Studiorum; Bologna, Italy
- **Thesis Project**: *Evaluation of the Effectiveness of Twitter Sentiment Analysis as a tool for Stock Market Forecasting*
 - Main focuses: Statistics, Big Data, Statistical Analysis, Inference and Probability theory, Linear Algebra, Data analysis and visualization, Econometric forecasting.
 - Graduated in July 2022: **110 with honours**.

PROJECTS & SKILLS

Projects

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Most of my skills can be examined by viewing the projects in my portfolio. They also testify proficiency in **Python** and **R**.

Natural Language Processing

Word2Vec / LLMs / Bert / GPT / Mistral / Finetuning / Classification / Spacy / NER / ASR

Deep Learning

Neural Networks / CNN / RNN / Tensorflow

Data Management

Neo4j / SQL / MongoDB / Firestore / Knowledge Bases / RDF / Cypher

Statistical Models and Machine Learning

Regression / Clustering / Classification / Decision Trees / Random Forest / Inference

Backend Development and Deployment Tools

GIT / Google Cloud Platform / Microsoft Azure