







# 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** developing and usage of **Google Cloud Platform**, **Azure's** pipelines and **GIT**.
- 3/2024 – 8/2024    **AI Developer Intern**    PricewaterhouseCoopers Italy
- Application of **Named Entity Recognition** on legal documents.
  - Implementation of a **chat-bot** with **OpenAI API**.
  - Development of Master Degree Thesis Project.
- 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.

## 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.
  - Expected Graduation Date: March 2025. 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

Most of my skills can be examined by viewing the projects in my portfolio. They also testify proficiency in **Python** and **R**. [giardinidavide.com](https://giardinidavide.com)

### 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