# DAVIDE GIARDINI

Data Scientist

🌐 giardinidavide.com    ✉ davide.giardini00@gmail.com

📞 +39 327 376 3390    ⬡ DavideGiardini

📍 Milan, Italy    in 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.
- 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.
- 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          [giardinidavide.com](giardinidavide.com)

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
```