

Matteo Medioli

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Master's student in Computer Science, enrolled in the Artificial Intelligence Curriculum. Currently developing my master's thesis related to Deep Graph Neural Networks and NLP. Work as part-time Software Engineer.

Experience

Software Engineer

Jul 2020 - Present

ISolutions S.r.l
Noceto, It

- Lead, design and development of a recommender system to analyze a large user-base (**top 500 most-visited websites globally**) for the company's main platform. Member of the team aiming to introduce new **AI solutions** for the analysis of betting and sports data.
- Developed integrations with one of the leading data providers of the betting industry. Collaborated on the development and **performance certification** of a new live sports event grabber for high-performance and scalable products.
- Enhancement and development of front-end and back-end components for a high-transaction international betting platform (**15k transactions/s**) applying CI/CD.

Waiter

Apr 2013 – Sep 2018

"Al Fondo" Restaurant
Borgo Val di Taro, IT

- Table service, wine cellar management, customer receptionist, staff training.

Education

Technische Universiteit Delft - Delft, NL

Feb 2020 – Jul 2020

Exchange student during Spring Semester.

Università di Pisa - Pisa, IT

Sep 2018 – Present

M.S in Computer Science, Artificial Intelligence Curriculum

Università degli Studi di Parma – Parma, IT

Sep 2014 – Apr 2018

B.S in Computer Science, GPA 3.7/4

Projects

- **Graph-driven Language Model Regularization**
2021, Python
Developing regularization term for the training BERT language model based on symbolic information in knowledge-bases, exploiting Graph Neural Network embeddings. The goal it's to out-perform NLP State of Art models.
- **Android Object Detection**
2019, Java
Android application for real time object detection. The app runs YOLOv3 model and it's based on OpenCV.

Skills

- **Languages:** C/C++, Java, Python, MATLAB
- **AI Libraries:** Tensorflow, Pytorch, HuggingFace, OpenCV
- **Relevant Courses:** Machine Learning, Evolutionary Algorithm, Complex Networks, Parallel Computing
- **Others:** Linux, Docker, Chef, Azure DevOps