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 — Noceto, IT
ISolutions s.r.l — Jul 2020 - Present

- Lead, design and development of a reccomender system to analyze a large user-base (users) 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 provider of betting industry. Collaborated on the development 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 — Borgo Val di Taro, IT
"Al Fondo" Restaurant — Apr 2013 - Sep 2018

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

Education

Technische Universiteit Delft — Delft, NL
Exchange Student — Feb 2020–July 2020

Università di Pisa — Pisa, IT
M.S. in Computer Science, Artificial Intelligence Curriculum — Sep 2018–Present

Università degli Studi di Parma — Parma, IT
B.S. in Computer Science, grade 102/110 — Sep 2014–April 2018

Projects

- **Graph-driven Language Model Regularization** — Python, 2021
  Development of a pipeline for graph-based training and regularization in the field of NLP.
  The goal of the project is to enrich BERT word embeddings exploiting knowledge-base Graph Neural Network embeddings.
- **Android Object Detection App** — Java, 2019
  Mobile application for real time object detection. The app runs YOLOv3 model and based on OpenCV.

Technical Skills

- **Languages:** C/C++, Java, Python, MATLAB
- **AI Libraries:** Tensorflow, Pytorch, HuggingFace, OpenCV
- **Optimization:** Computational mathematics, Operations research, Evolutionary algorithms, OR-Tool, CPLEX
- **Others:** Linux, Docker, Chef, Azure DevOps