EDOARDO MANIERI

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EDUCATION

Bocconi University, Milan (Italy)   Sept. 2018 to Dec. 2020
MSc Data Science
GPA: 3.93/4, Graduation Grade: 110 Cum Laude/110 (First Class Honours)
- Selected as one of the five students from other Italian universities
- Co-founder student association Bocconi Student for Data Science
- Among the few Italian students selected to be mentees for LeadTheFuture, a leading mentorship organization for students in STEM

KU Leuven, Leuven (Belgium)   Feb. 2020 to July 2020
Exchange Program

University of Bologna, Bologna (Italy)   Sept. 2015 to Oct. 2018
BSc Computer Science
GPA: 3.8/4, Graduation Grade: 110 Cum Laude/110 (First Class Honours)
- Merit Scholarship Winner, ranking in the top 30 engineering students (2017)

EMPLOYMENT

iwoca   London
Software Engineer   Apr. 2021 to Current
- Implementing and maintaining internal facing REST API endpoints to iwoca's website.
- Implementing and maintaining external facing REST API endpoints in order to build integration with partners using.
- Implement a webhook framework in order to send information to partners, ensuring high security standard.
- Tech stack: **Python**, **Django**, **Celery**, **Datadog**, **Postgres**

Lloyds Banking Group   London, UK
Data Engineer   Sept. 2020 to Current
- Retrieving, processing and structuring data to improve the quality of the modeling phase.
- Implementing and maintaining the **Hadoop** data infrastructure for mortgage data using **Spark**, **Python.**

Goldman Sachs International   Warsaw, Poland
Software Engineer Intern (with return offer)   July 2020 to Aug. 2020
- Designed and implemented a fully customizable rule engine to automate event handling using **Java, Spring** and **Kafka**.

SmartFAB   Milan, Italy
Machine Learning Engineer (part-time)   Sept. 2019 to Mar. 2020
- Developed an AI-based software aimed at performing automate analytics for the manufacturing industry.
- Designed, implemented and evaluated machine learning pipelines in **Python** using a Test Driven Development approach.

MindIT Solutions   Bologna, Italy
Machine Learning Intern   July 2019 to Sept. 2019
- Evaluated and implemented different Deep Reinforcement Learning algorithms such as **A2C, A3C, DQN** on OpenAI Gym environments using **numpy, pandas, gym, Keras (Python)**.
- Implemented a Deep Reinforcement Learning model on a custom environment in order to optimize the work process of a manufacturing company.

SIDE PROJECTS

BetterPass - Password Manager Web Application
Implemented a full-stack password manager web application using **Django rest framework (backend)** and **React (frontend).** Deployed using **Google Cloud Platform.**

Soccer Bet Bot
Implemented a multithreaded application able to retrieve live soccer data using API, run a machine learning model, provide live outcome predictions on football matches and give notification using Telegram bot. (**Python**)

Car Recognition App
Implemented an application able to predict make and model of European cars from images. Manually built the dataset and reached 90% validation accuracy using state-of-the-art deep learning algorithms (**Python**).

ADDIONAL INFORMATION

SKILLS:
Python, Django, Postgres, Java, SQL, C, Bash, Google Cloud Platform
Javascript, HTML, CSS

Ranked 6th in a Data Challenge Hackathon competition with 200 participants from all over Italy (SUS5 2019)
Different sports practiced (calisthenics, football, swimming)

LANGUAGES:
Italian: Native, **English**: Fluent