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
- 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
BEng Computer Engineering
GPA: 3.8/4, Graduation Grade: 110 Cum Laude/110
- Merit Scholarship Winner, ranking in the top 30 engineering students (2017)

EMPLOYMENT

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   July 2020 to Aug. 2020
- Implemented a rule engine to automate event handling using **Java, Spring** and **Kafka**.

SmartFAB   Milan, Italy
Machine Learning Engineer   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.

AEA s.r.l., Loccioni Group   Angeli di Rosora, Italy
Database Analyst Intern   Feb. 2018 to July 2018
- Evaluated a database migration from **SQLServer** to **MongoDB** by replicating the entire SQLServer database on a MongoDB instance and by developing a performance test software using **C#**, **Java**, **SQL**.
- Implemented a system that guarantees high performances on queries on the most recent period and that also allows long-term queries.

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.**
Check it out at https://www.betterpass.me (username: admin, password: admin - to play around without creating an account)

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**).

ADDITIONAL INFORMATION

SKILLS:

Python (pandas, numpy, sklearn, Keras, matplotlib, pyspark), Java, SQL, C#, C, Bash, Git, Google Cloud Platform, Hadoop, HDFS
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