LUCA CAMBIAGHI

Data Scientist

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EXPERIENCE

Data Scientist
Maersk Line

📅 Jul 2019 – Feb 2021 📍 Copenhagen, DK

Full-time job in the Demand Forecasting team. My unique profile is that of a Data Scientist with strong Software Engineering skills.
Main responsibilities:
- Development of an internal forecasting library to perform forecasting, model selection and hyperparameter tuning of all our forecasts (~100.000 time series daily)
- Univariate and multivariate time series modelling and feature engineering
- Big data manipulation (~hundreds of millions of rows)

MSc Thesis Intern
Maersk Line

📅 Jul 2018 – Jul 2019 📍 Copenhagen, DK

Full-time internship during which I wrote my Master Thesis "Forecasting Liner Shipping Demand". Worked in close contact with the Demand Forecasting team and the Data Science community at Maersk.
Main research topics:
- ARIMAX models
- High-dimensional ARX models, spatio-temporal relationships, grouped LASSO regularization
- Feed forward neural networks, categorical embeddings

IT Student
Maersk Line

📅 Jun 2018 – Feb 2017 📍 Copenhagen, DK

Part-time job during my Master studies. Main responsibilities:
- Java development
- Service monitoring, performance analysis
- User journey mapping

Consultant Intern
Be Consulting

📅 Mar 2016 – Jun 2016 📍 Milan, IT

Full time internship that concluded my Bachelor studies.
Main responsibilities:
- Excel and VBA development
- Word documentation
- Consultancy fundamentals and stakeholder management

PROGRAMMING

Python	●●●●●
Java	●●●●○
R	●●●○○
Clojure	●●●○○

SKILLS

Forecasting Machine Learning Neural Networks Data Docker Kubernetes Pyspark Dask Functional Programming Algorithms

ACHIEVEMENTS

🏆 **Maersk Star Award**
Personal award for being the major driver and contributor of our internal forecasting library.

🏆 **Maersk Spot Award**
Awarded to the whole Demand Forecasting team for delivering oustanding results during the COVID-19 lockdown.

❤ **Student Ambassador**
Member of steering committe of Maersk's student network. Helped new hires to feel welcome and organized social events.

❤ **Buddy Program**
Helped extra-european students to kickstart their university life in Milan and at Politecnico.

STRENGTHS

Curious Ambitious Eye for detail Team player Presenter Dynamic Empathic Independent

EDUCATION

M.Sc. Computer Science Engineering
Danmarks Tekniske Universitet

📅 Sep 2016 – Feb 2019   📍 Copenhagen, DK

Main competences acquired:
- Data analysis and visualization, Pandas and Matplotlib
- Deep learning, Keras
- Big Data, Spark
- AI & Multi-agent systems, Java
- Web Services, Java

B.Sc. Computer Science Engineering
Politecnico di Milano

📅 Sep 2016 – Feb 2019   📍 Milan, IT

Main competences acquired:
- Programming, C
- Databases, SQL
- Software Engineering, Java
- Engineering fundamentals: Statistics, Mathematical Analysis, Linear Geometry, Physics

PROJECTS

Background audio event classification
Danmarks Teknisk Universitet

📅 Nov 2017 – Dec 2017   📍 Copenhagen, DK

Final project of the course Deep Learning. Trained a Convolutional Neural Network to perform classification of urban sounds. The dataset used was UrbanSound8K.
- Implemented a state-of-the-art model and reproduced results
- Created two synthetic datasets by overlaying different clips: with same volume and one dominating the other
- Multi-label classification using these two datasets

Sokoban multi-agent level solver
Danmarks Teknisk Universitet

📅 Apr 2017 – May 2017   📍 Copenhagen, DK

Final project of the course Artificial Intelligence and Multi-Agent Systems. We developed a Java client capable of solving Sokoban levels by planning a valid short solution.
- Local planning of a single agent to find the solution
- Implemented a communication system between agents to plan cooperatively
- Designed a conflict resolution mechanisms to merge the agents' plans

INTERESTS

Diving   Running   Cinema
Road Biking   Reading   Traveling
Emacs   Clojurescript

LANGUAGES

Italian	●●●●●
English	●●●●○
Spanish	●●●○○
Danish	●○○○○