

ARTHUR DEGONDE

Senior Machine Learning Engineer

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in arthurdegonde

ArthurD1

EXPERIENCE

Machine Learning Engineer

Vortexa Ltd

📅 Sep. 2019 – Nov. 2022

📍 London, UK

Part of the Data Production Team, responsible for designing and implementing machine learning models to generate forecasts about more than 10,000 tankers tracked by our system.

Defense Security Consultant

Sopra Steria Consulting

📅 Mar. 2018 – Aug. 2018

📍 Paris, France

Determine the needs and implement functional mappings for a new information system with senior French army officers for the aeronautical maintenance in operational conditions.

Intern - Supply Chain Analyst

Berluti

📅 Sep. 2016 – Feb. 2017

📍 Paris, France

- Implemented various decision support tools for production planning and inventory management.
- Computed a re-balancing tool for worldwide stocks management.

EDUCATION

Master in Data Sciences and Business Analytics (DSBA)

ESSEC Business School - CentraleSupélec Engineering School

📅 2018 - 2019

📍 Paris, France

Specialisation in both Data Sciences and Business Analytics. With courses in machine learning, deep learning, reinforcement learning, network analysis, optimization, and big data for marketing.

MEng in Logistics and Production Systems

Isae - Supméca

📅 2015 - 2018

📍 Paris, France

3-years 'Grande Ecole' engineering curriculum.

Preparatory Classes

2012 - 2015

📅 Marseille, France

Three year selective and intensive scientific curriculum (Mathematics and Physics) preparing for the national competitive examination to French Engineering Graduate Schools « Grandes Ecoles ».

PROJECTS

Vessel Destination Model

Vortexa Ltd

- Led a team of both data scientists and data engineers to improve and deliver a new vessel destination model.
- POC of a deep learning model in a notebook with data scientists
- Design and implementation of both the training and the prediction pipeline for both historical batch data and live streaming data in production.

ETL pipeline for external data

Vortexa Ltd

- Gather and normalise data from diverse sources.
- Use and improve an existing mapping service to map the received data to our own entities.

Bitcoin Network analysis

DSBA

- Analysis of failures and attacks repercussions on a decentralised Bitcoin trading platform.
- Clustering, Modularity analysis, trustfulness calculation for each node of the network.

Predicting Football matches outcome with historical data

DSBA

- Data cleaning and features engineering over a dataset of more than 26 000 matches.
- Trained different calibrated multi-class classifier with regularization and PCA and successfully obtained more accurate odds than bookkeepers.

SKILLS AND STRENGTHS

Computer Science and Dev Ops

Python TensorFlow MIFlow Airflow
AWS Athena PostgreSQL Kubernetes
Kafka Apache BEAM Flink

Languages

- French: native
- English: fluent
- Spanish: intermediate

Hobbies

skiing wind surf board games running