✉ ariane.dalens@centraliens.net

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🚗 Driving License

Ariane DALENS

Double degree Master's student at CentraleSupélec & ESSEC Business School

Junior Data Scientist in Paris

LANGUAGES

French (Native)
English (Fluent – C1)
German (Basic – B1)

IT SKILLS

Programming languages:
- Python, R, SQL, MATLAB, Java, C++ LaTeX

Statistical analysis:
- Pandas, numpy

Machine learning:
- Scikit Learn, Keras, TensorFlow

Data visualization:
- Seaborn, Bokeh

Cloud computing:
- AWS, GCP, Airflow

Software:
- MS Office, Adobe Photoshop & Illustrator

HOBBIES

Sailing
Participation in the 51st EDHEC Cruise Race with the competitive female crew of CentraleSupélec

Piano
Participation in the final of the Concours Musical de France

Photography
Portrait and street photography amateur

EXPERIENCE

May – Nov. 2022
Paris

BCG GAMMA | Visiting Data Scientist
- Development of an Advanced Analytics pilot for a luxury brand with a CLTV module for customer personalization and multi-touchpoint activation
- Implemented a demand planning pipeline for a pharmaceutical company with 6+ timeseries models implemented (Prophet, Theta, ARIMA …) and integrated 10 supply and market data sources in the model.

Feb. – July 2021
Paris

Richemont | Data Scientist Intern
- Creation of a classification model and recommendation system for 30m customers based on transactions and Google Analytics data
- Pilot testing on a selection of 5000 customers most likely to repurchase.
- Estimated gain for the group of €20m.
- Deployment and automation of the solution on GCP for integration into the clienteling application
- Performed behavioral analysis and customer segmentation for two maisons of the group

Aug. – Feb. 2021
Luxembourg

Amazon | Business Intelligence Intern
- Worked in an international team supporting Amazon Operation worldwide by providing datasets, metrics and reporting solution.
- Developed a daily automated report to monitor data pipelines on AWS.
- Forecasting the global on-time delivery accuracy using ML models.

Jan. – June 2020
Singapore

ESSEC Business School | Research Assistant
- Developed an automated data collection and cleaning tool to extract information from over 20,000 semi-structured brokers' reports, using pandas, Tesseract and Google APIs.
- The goal was to support a post-doctoral research project

Jan. – June 2019
Paris

Stimul | Data Analyst
- 6-month school project with the development of a dashboard in Python to monitor the KPIs of a group of patients.
- Measurement of the impact of a digital therapy program with IoT, Google Analytics and web data.

EDUCATION

2017-2021
Paris-Saclay

CentraleSupélec | Master in Engineering
Major in Artificial Intelligence, minor in Strategy & Finance
Top-tier French Engineering School
Key subjects studied: Mathematics, Statistics, Probability & Stochastic Process, Data Science, Machine learning and Deep learning, Software development

2019-2020
Paris/Singapore

ESSEC Business School | Master in Management
#3 Top Master in Management
Key subjects studied: Big Data Analytics, Digital Marketing, Strategy, Finance

2015-2017
Paris

Collège Stanislas | Preparatory School
2-year university level preparation – major in Engineering

2012-2015
Paris

Collège Stanislas | Scientific Baccalaureate
Highest honors

OTHER RELEVANT EXPERIENCE

2017-2018
Paris-Saclay

Forum CentraleSupélec
Quality Manager
- Within a 4-student team, responsible for the renewal of the ISO 9001 standard for the 2018 event that gathered 3000 students and 214 companies (€1m turnover in 2018).
- Managed and monitored 50+ KPIs driving the strategy the event.
- In charge of the prospection and support of 20 companies before and during the event.