



CAMILLE COCHENER

Data Scientist

*Data Scientist with a Post Master's Degree in Data Science and Big Data from **Télécom Paris**, with more than 3 years experience in consulting in Statistics, Data Analytics and Machine Learning.
Three words to define myself: passionate, efficient and eager to share.
I am now available for a Data Scientist position.*

PROFESSIONAL EXPERIENCE

07/2020 -
01/2021
6 months

DATA SCIENTIST - COMPUTER VISION

LIXO - Startup created at the end of 2019 - 5 employees

Agoranov, Paris, France

In charge of the AI module of the Lixo solution.

- Trained Deep Learning models using Python, Tensorflow, GCP from notebooks to deployment
- Miniaturized and tested neural networks on an embedded system
- Participated in bringing the models into production on the client's site
- Wrote scientific documents to obtain funding

Results : Performance of the model +120%, deployed in production, +90K€ grant earned

01/2017 -
07/2019
2 years,
7 months

DATA SCIENTIST CONSULTANT

Consulting company : IT&M STATS (IT&M group)

Neuilly-sur-Seine, France

► **ESSILOR INTERNATIONAL, R&D**, Créteil, France (10 months)

Led the 1st Data Science project related to the analysis of the data collected during the development of anti-reflective products to optimise Time To Market.

- Mapped processes and carried out an inventory of available data
- Structured data using data manipulation techniques
- Identified value-added topics and proposed appropriate statistical methods
- Performed analysis/visualisations and built Machine Learning models using Python, SQL, R
- Trained internal teams in data science methods and programming

Results : Delivered an analytical report with relevant insights, identified areas of improvement reorienting the data-driven strategy of the anti-reflective R&D department

► **L'ORÉAL R&I**, Chevilly-Larue, France (1 year, 6 months)

In charge of Data Science projects within the Scientific Computing team in line with the activities of the laboratories and product performance evaluation services.

- Understood business needs through communication with product experts
- Structured, cleansed and explored the data
- Carried out and implement statistical analysis and adapted Machine Learning models using R
- Developed applications for the routine analysis of laboratories

Results : Deployment of 2 applications, +15 analysis and models delivered to laboratories.

► **INTERNAL DIVISION IT&M STATS**, Neuilly-sur-Seine, France (2 years, 7 months)

In charge of fixed-price projects and programming and Machine Learning trainings.

- Mutuelle Chorum : Segmented a customer portfolio and predicted an appetite score
- Clarins Laboratories : Built a classification model to classify skin pores
- Société Générale : Trained a team of 5 Data Analysts on R packages during 2 days

03/2016 -
09/2016
6 months

DATA SCIENTIST INTERN

Clarins Laboratories

Pontoise, France

Modeled the relationships between consumer perceptions and instrumental measurements of skin mechanical properties in order to drive the development of the new products.

EDUCATION

2019 -
2020

► **Télécom Paris - Post Master's Degree in Data Science & Big Data**

Topics: Statistics, Machine Learning (supervised, unsupervised, Deep Learning...), Data Engineering (NoSQL, distributed systems, cloud storage and computing...), Data Visualization

2013 -
2016

► **Agrocampus Ouest - Engineer (Master's Degree), Data Science Specialization**

Topics: Statistics, Data Management, Factorial Analysis, Data Analysis applied to biological, marketing and agronomic data, Machine Learning (supervised, unsupervised), Programming

2010 -
2013

► **Lycée Chaptal (Paris) - Preparatory school to enter the French Grandes Ecoles**

DATA SCIENCE / DATA ENGINEERING PROJECTS

2019 -
2020



► **Carrefour-X AI & Retail Challenge - Rang 1/26** : designed a local Marketing Mix Modeling - analysis and prediction of the impact of marketing media levers on sales (ROI) - 2 months
Tech : GCP, Big Query, Python, CatBoost, Dash, Shap, MMM



► **Bike Sharing Predictions** : predicted the number of bikes shared at a London bike station
Tech : Python, Spark, Open data, Random Forests, Validation croisée



► **GDELT** : built a fast and resilient ETL to analyze GDELT data (2.5 TB)
Tech : Cassandra, Spark, AWS, Zeppelin, ETL



► **Kaggle Toxic Comment Classification** : built a multi-label model to predict the toxicity of a comment using textual data from Wikipedia
Tech : Deep Learning, NLP, Keras, Dash

AWARDS

2016

Laureate "Trophée Syntec" : competition that rewards the best quantitative studies
Travel Award obtained for speaking at the SPISE congress in Vietnam

CONTACT

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Website : camillecocochener.github.io
Availability : Immediate

SKILLS

Machine Learning & Deep Learning

Statistics

Data Analysis

Data Visualization

Data Engineering

GCP, AWS

R, Python, Java, Scala Programming

Numpy, Pandas, Scikit-learn

SQL, NoSQL

Hadoop, Spark

Keras, TensorFlow API, PyTorch

Git, Linux, MacOS, Docker, MLFlow

Curious

Team player

Problem solving

Adaptability

Oral & written communication

LANGUAGES

- French (Native)
- English (Fluent)

PERSONAL DEVELOPMENT

Coursera Certificates :

- Deep Learning (CNN, Sequence Models, GAN) by deeplearning.ai
- AI for Medicine by deeplearning.ai
- Data Science Specialization by John Hopkins University

Meet-up :

- **Speaker** (Paris Data Ladies, 2020 december edition on Computer Vision, 100 Data experts attended)

HOBBIES

Sports :

- Horse riding
- Yoga
- Fitness
- Tennis

Others :

- Travel
- Baking
- Piano
- Watercolour