



# 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 and Data Science, as well as in Computer Vision. Three words to define myself: passionate, efficient and eager to share. I am looking for a Data Scientist position for March 2021.*

### 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.**

- Improved object detection models to reach best performances
- Developed a method for background subtraction from images
- Optimised neural networks on a micro-computer
- Wrote scientific documents to obtain funding (FTE grant, i-Lab)

**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 historical data in order to optimize the TimeToMarket of anti-reflective products.**

- Carried out an in-depth exploratory analysis in order to identify insights
- Identified machine signatures according to their operating parameters
- Predicted the colorimetric measurements of lenses according to machine parameters
- Developed a statistical methodology to identify malfunctioning
- Trained internal teams in analysis methods and programming

**Results :** Delivered an analytical report, highlighting areas of improvement regarding the data strategy of the company

ESSILOR

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

**Supported the Scientific Computing team for day-to-day Data Science projects.**

- Created predictive models between consumer, sensory and instrumental measures
- Analysed the reproducibility and repeatability of instrumental measurements
- Segmented product spaces and analysed product efficiency
- Developed applications for routine laboratory analysis (RShiny, GWidgets)

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

L'ORÉAL



03/2016 -  
09/2016  
6 months

#### DATA SCIENTIST INTERN

*Clarins Laboratories*

Pontoise, France

Modeling the relationships between consumer perceptions and instrumental measurements of skin mechanical properties.

### 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 in Life Sciences, Data Science Specialization**

Topics: Data Analysis applied to biological, marketing and agronomic data, Machine Learning, Programming, Data Visualization

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 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](https://camillecocochener.github.io)  
**Availability :** March 2021

### SKILLS

Machine Learning & Deep Learning

Statistics

Data Analysis

Data Visualization

Data Engineering

GCP, AWS

R, Python, SQL Programming

Numpy, Pandas, Scikit-learn

Keras, TensorFlow API, PyTorch

Git, Linux, MacOS, Docker, MLFlow

Curious

Team player

Problem solving

Rigor

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