

CAMILLE COCHENER

Data Scientist (+4 years of experience)

It's been 4 years I'm working in Data Science : 3 as professional experience in several major groups and startups and 1 through an intensive training in Big Data at Télécom Paris.
Three words to define myself : passionate, efficient and eager to share.

PROFESSIONAL EXPERIENCE

DATA SCIENTIST - COMPUTER VISION

Lixo - Startup created at the end of 2019 - 5 employees Agoranov, Paris, France
Lixo develops quality control solutions for waste management.
I was responsible of the AI module (a computer vision application).

July 2020 - Jan 2021
(6 months)

- Implemented and trained object detection and segmentation models
- Experimented several sets of hyperparameters to reach best performance
- Optimized Deep Learning models on a microcomputer (TensorRT, NVIDIA Jetson)
- Wrote scientific documentation to apply for funding awards (Bourse French Tech Emergence, i-Lab)



Results : +50% improvement of the initial model, models deployed at the client's facility, +90K€ grant earned

Tools : Deep Learning, Data Engineering, Python, OpenCV, TensorFlow API, Keras, PyTorch, GCP, Linux, Git

DATA SCIENTIST CONSULTANT

Consulting company : IT&M STATS (IT&M group) Neuilly-sur-Seine, France

Jan 2017 - July 2019
(2,5 years)

► **ESSILOR INTERNATIONAL, R&D**, Créteil, France (10 months, 10/2018 – 07/2019)

Led the 1st Data Science project related to the analysis of historical data in order to optimize the TimeToMarket of anti-reflective products.

- Worked with glass experts to understand business requirements
- Conducted process mapping and data inventory
- Explored and analyzed data using Dataiku DSS, AWS, SQL, Python and R (PCA, MFA, Machine Learning)
- Presented results to decision-makers (Head of R&D, head of development)
- Trained staff to data science methods and programming



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

► **L'ORÉAL R&I**, Chevilly-Larue, France (1,5 year, 03/2017 – 09/2018)

Supported the Scientific Computing team for day-to-day data science projects.

- Participated to kick-off meetings with Research & Innovation laboratories
- Cleansed, preprocessed and explored data with visualization, PCA, MFA and statistical tests
- Carried-out analysis and data modeling using Statistical and Machine Learning techniques (analysis of variance, linear regression, PLS, s-PLS, decision trees, Random Forests, clustering)
- Developed applications and R packages for routine analysis (GWidgets, RShiny)



Results : Released 2 applications, meant to automate the analysis and save time. +15 projects achieved.

► **IT&M STATS' INTERNAL DIVISION**, Neuilly-sur-Seine, France (2,5 year, 01/2017 – 07/2019)

Participated in fixed-price projects and R programming training.

- CHORUM mutual : Segmented customer portfolio and predicted appetite score (1 month)
- Clarins Laboratories : Analyzed the influence of instrumental parameters on pore size (1 month)
- Société Générale : Trained professional staff to R packages DPLYR & TIDYR (2 days)

Tools : Statistics, Data Analysis, Machine Learning, R, Python, SQL, Dataiku DSS, Spotfire

DATA SCIENTIST - INTERNSHIP FOR GRADUATE MASTER DEGREE

Clarins Laboratories Pontoise, France

March 2016 - Sept 2016
(6 months)

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

SUCCESS

► **AI & Data Science Challenge - Carrefour / l'X - 1st out of 26 teams**

2020

Designed a local Marketing Mix Modeling – analysis and prediction of the impact of marketing media on sales (ROI) - 2 months - 6 teammates - GCP, Big Query, Python, CatBoost, Dash, Shap, MMM

► **AI & Machine Learning Hackathon - QMI / Dauphine - 4th out of 26 teams**

2020

Predicted stock volatility among the S&P500 and Stoxx600 on performance announcement dates - 24h 3 teammates - Python, XGBoost, Random Forests, Stacking, Hyperopt

► **Winner of “Trophée Syntec” & Travel Award for a congress in Hô Chi Minh City**

2016

EDUCATION

► **Post Master Degree in Big Data – Télécom Paris (IP Paris)**

2019 - 2020

Achieved several Data Science and Data Engineering projects with Python, Spark and Java

- Predicted the number of bikes shared at a station with Spark
- Designed a resilient ETL for the analysis of GDELT database (Spark/Cassandra/AWS)
- Fusionned algorithm outputs for facial recognition (IDEMIA)
- Performed anomaly detection on helicopter accelerometer data (Challenge Airbus)
- Built a NLP model to classify toxic comments (Challenge Kaggle Jigsaw)



► **Agronomic Engineer - Master degree Statistics & Data Science (double degree)**
Agrocampus Ouest/Rennes II University, Rennes

2013 - 2016

► **Preparatory Classes for the “Grandes Écoles” - Lycée Chaptal, Paris**

2010 - 2013

11/05/1992 (28 yo)
Paris, France
cochenercamille@yahoo.fr
+33 6 71 46 78 07
[Github](#) : camillecochener
[LinkedIn](#) : camillecochener
[Available](#) : 02/2021

SKILLS

- Data exploration
- Machine Learning & Deep Learning
- R, Python, SQL Programming
- Keras, TensorFlow API, PyTorch
- Data Engineering
- GCP, AWS
- Visualization
- Git, Linux, MacOS, Docker

- Curiosity
- Team player
- Problem-solving
- Rigor
- Communication

LANGUAGES

- French (Native)
- English (Fluent)

PERSONAL DEVELOPMENT

Coursera Certificates :

- Deep Learning (CNN, Sequence Models) by deeplearning.ai
- Java Programming by Duke University
- Data Science Specialization by John Hopkins University

Meet-up :

- **Speaker** (Paris Data Ladies December 2020 edition on Computer Vision, 100 Data experts)
- **Attendee** (Paris Data Ladies, Data for Good)

HOBBIES

Sports :

- Horse riding
- Yoga
- Skiing
- Tennis

Others :

- Traveling
- Team-based & strategy video games
- Baking