



# ANTONIN DURIEUX

## Data Scientist

Previously working as an engineer in data analysis and processing in the field of geosciences, I completed a Post Master's Degree in Big Data at Télécom Paris in order to acquire new abilities in Data Science and Machine Learning. I am now looking for new opportunities that would allow me to apply my skills to transform data into insights.

## Work experience

### Data Scientist, post-graduate internship – July to December 2020

Tictactrip - *Booking platform for direct or multimodal trips in Europe. Start-up, 10 employees.*

Handling all data-related topics of the company, namely:

- Statistical analysis on the customer paths to extract the relevant business insights and to build a ticket cache system, using PostgreSQL, Python and Metabase;
- Refactoring of the transport data integration pipeline in Python;
- Development of APIs to integrate transport companies' data in Python and TypeScript;
- Development of data-visualization dashboards in Metabase.

### Exploration geophysicist – 2012 to 2019

CGG - *Geophysical services company. About 5,000 employees.*

Geophysical data processing. Worked for clients in the oil & gas, mining, geothermal and civil engineering industries on:

- Data quality control, processing, modeling and interpretation on a wide range of data types: seismic, resistivity, gravimetry, electromagnetic;
- Project management and technical supervision of data acquisition missions onsite around the world: planning, supervision, operational monitoring, client interactions and presentations of the results for over 30 missions.

### Geophysicist – 2010 to 2012

GEOLITHE - *Engineer-consultant services in geology, geophysics and geotechnics. About 50 employees.*

Data processing and interpretation. Data acquisition following various methods of near surface geophysical prospecting.

## Education

### 2020 Post Master's Degree in Big Data

*Télécom Paris (top French engineering school), Palaiseau, France*

Statistics, Machine Learning, Data Engineering, Data Visualization, Econometrics.

Company research project: time series modeling on the call load of the Delta Dore company after sales service.

### 2010 Master's degree in geosciences, geophysics specialization

*Joseph Fourier University, Grenoble, France*

### 2006 Technical University Degree in physical measurements

*Annecy-le-Vieux Institute of Technology, France*

## Hobbies

Reading (non-fiction literature on science, social sciences, history), sport (ski, hiking, running), traveling, cooking.

## Personal details

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## Key skills

- Machine Learning
- Statistics
- Distributed systems
- Signal processing
- Data visualization
- Physical measurements

## Programming

- Python (NumPy, Pandas, Statsmodels)
- MATLAB
- Java
- TypeScript
- Git

## Data Science

- Scikit-Learn
- Spark
- TensorFlow, Keras
- Hadoop ecosystem
- SQL: PostgreSQL
- NoSQL: Cassandra, Neo4j

## Languages

- French  
Mother tongue
- English  
Fluent, 7.5 at the IELTS test
- Spanish  
Basic knowledge