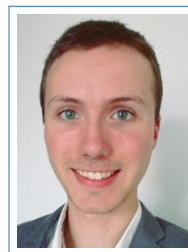


# Jonathan OHEIX

Freelance Data Scientist

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## Professional experience

- 2017 - Jan. 2019 **Data Scientist (1 year and 3 months)**, *Influans*, Paris.
- Recommender systems optimization with Machine Learning (ALS, Random Forest)
  - Deep learning for image analysis using Convolutional Neural Networks (CNN)
  - Optimization with Genetic Algorithms and Simulated Annealing
- Technical environment : Python, Spark, Scala, Keras
- 2017 **Data Scientist Consultant (11 months)**, *Louis Vuitton*, Paris.
- Customer value prediction using Machine Learning (Random Forest)
  - Product association with pattern mining algorithms
  - IOT data analysis and presentation of results during internal conferences
- Technical environment : Python, Spark
- 2016 **Data Scientist Consultant (3 months)**, *BPCE Group*, Paris.
- Segmentation of professional clients using regression trees
- Technical environment : SAS
- 2016 **Trainee Data Scientist Consultant (6 months)**, *SoLocal Group*, Boulogne-Billancourt.
- Search engine optimization using Learning to Rank and Query Expansion (Word2Vec)
- Technical environment : Python, ElasticSearch, Web Programming

## Data Science projects

- 2019 **Real time face expression recognition with Deep Learning.**
- Creation and training of a Convolutional Neural Network (CNN)
  - Face detection and classification in real-time through a web interface
- Technical environment : Python, Keras, OpenCV, Flask
- 2018 **Sentiment analysis on Booking.com client reviews with Natural Language Processing.**
- Cleaning of raw textual data : Part-Of-Speech tagging, lemmatization
  - Feature engineering : sentiment scores, text vectorization with Doc2Vec
  - Reviews classification (good, bad) with Machine Learning (Random Forest)
- Technical environment : Python, NLTK, Gensim, Scikit-Learn, Pandas

## Educational Background

- 2013–2016 **Master of Science (MSc) in Statistics equivalent**, *ENSAI - National School for Statistics and Information Analysis*, Rennes, France, Data science specialization.
- 2011–2013 **BTEC Higher National Diploma in Statistics and Business Intelligence**, *IUT of Vannes*.

## Skills

Machine Learning	Natural Language Processing, Deep Learning, Random Forest, Gradient Boosting, Time series, SVM, Penalized regression, Learning to Rank, Pattern Mining, GLM, Factorial analysis
Programmation	Python, Git, Scala, R, SQL, Java, Web programming
Big data	Spark, Hadoop, ElasticSearch, Pig, Hive, H2O
Cloud computing	Google Cloud, AWS
English	Fluent : TOEIC 945/990 points, work period in Ireland of 1 month

## Hobbies and interests

- Datascience Participation in challenges : Kaggle, The best datascientist of France 2018  
Writer at Towards Data Science