Maël FABIEN

Data Scientist
(22 years old)

Nationality: France, Luxemburg

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Social

BLOG *https://maelfabien.github.io/*

https://github.com/maelfabien

https://www.linkedin.com/in/mael-fabien/

Medium *https://medium.com/@mael.fabien*

Language

- French (Mother Tongue)
- English (C2)
- German (B2)

Interests

- Statistics
- Machine Learning
- Deep Learning
- Actuarial Science
- Reinforcement
- Data Visualization
- Design/Web
- Sports

Education

Bachelor of Science
Economics
HEC Lausanne (16')

UNIL | Université de Lausanne
HEC Lausanne

Economics, Statistics, Financial Mathematics

Mater of Science
Actuarial Science
HEC Lausanne (18')

UNIL | Université de Lausanne
HEC Lausanne

Statistics, Mathematics, Stochastic Processes

Specialized Master
Big Data & Data Science
Telecom ParisTech (19')

TELECOM ParisTech

Big Data, Machine Learning, Deep Learning

Experience

Veamly **03.2018 - Present: Data Scientist Intern (Part time)**

Part-time position. Creating a Semantic Similarity Search Engine in Python.

Search Engine, Hierarchical Embedding, Cosine similarity, Python

VIVADATA **02.2018 - Present: Machine Learning Instructor**

Machine Learning Instructor for VIVADATA Bootcamp. Gave lessons on several ML concepts, created course supports, contributed to bootcamp's blog.

pôle emploi **09.2018 - Present : Deep Learning Research Project**

Research projet for the French employment center on multimodal emotion recognition for Text, Sound and Video. In charge of computer vision.

Python, NLTK, PyAudio, Keras, Tensorflow.js

vaudoise **02.2018 - 08.2018 : Non-Life Actuary Intern, Vaudoise**

Redesign of a private Accident Insurance product. Statistical analysis, anomaly detection, product pricing (MLE, robustness tests, profit testing, simulations).

R, VBA, Tableau

UNIL | Université de Lausanne
HEC Lausanne **09.2016 - 03.2018 : Student Teaching Assistant**

Student Teaching Assistant for the 3rd year Bachelor course of Corporate Finance and Public Finance. 40% position on the side of my studies.

Loomky **2016 - 2018 : Entrepreneurial Projects**

Jury Prize winner of the Entrepreneurial Contest Start Lausanne after a 6 months competition among 65 startups, 5'000.- prize.

Recent Projects

- Created a data science blog : https://maelfabien.github.io/
- Data Engineering project (AWS EC2, Cassandra, Scala, Spark…)
- Publish on Towards Data Science : https://medium.com/@mael.fabien
- Deep Learning Facial Emotion Recognition and Landmarks Detection
- GANs and Autoencoders, Deep Learning Image Enhancement
- NLP / Topic modeling from a comment data base
- Predicting a container's dwell time for cargo transportation optimization
- A geolocation ML algorithm from a triangular signal strength (RSSI)
- Several Kaggle Competitions (EarthQuake, Titanic, Forest Type…)

Stack

Daily user :
- Python (Pycharm, Jupyter)
- Libraries (Sklearn, statsmodel, Keras, Tensorflow..)

Frequent user :
- R (RStudio), Scala (Zeppelin), Matlab
- SQL (Postgre, MySQL), HTML, CSS
- ElasticSearch, Kibana
- Cloud : AWS (EMR, EC2..), Google Cloud Platform

Used in several projects :
- Hadoop, Spark
- Cassandra, MongoDB, Neo4j, Hive
- Tableau