






Thomas TOUBOUL

Home	Lyon, France
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DATA SCIENTIST

Skills

-  SQL / NoSQL Databases
-  Data processing / cleaning
-  Data analysis
-  Machine learning
-  Visualization / Web

Coding

Python

R

SQL

JavaScript

HTML/CSS

Languages

- French : **Native**
- English : **Fluent**
- Spanish : **Basics**
- Japanese : **Basics**

Education

2016 : CentraleSupélec
Executive Certificate - Big Data for companies

2014-2015 : Paris 1 - Sorbonne University
Master 2 TIDE (Information and data science techniques for companies)

2013-2014 : Paris 7 - Diderot University
Master 1 ISIFAR (Statistical engineering and computer science for finance / insurance / risks)

2010-2013 : Paris 7 - Diderot University
Licence MASS (Applied mathematics / Economy)

Interests



Work Experience

04/2019 - 05/2020 : Working Holiday Visa in New Zealand

08/2018 - 01/2019 : Data scientist

FreeKick.io

As part of a personal project :

- Configured the collection / processing / storage of data from several sources,
- Developed aggregations scripts and FK-ratings calculation,
- Built predictive models for football matches outcomes,
- Simulation of betting strategies,
- Developed a web application for results synthesis.

Softwares : AWS, Python, Flask, SQLite, d3.js,

02/2017 - 03/2018 : R Developer

Paris, Banque de France

Within the Market and Credit Risk Management Unit :

- Prototyped, developed, and maintained a R Shiny web application for credit risk analysis,
- Configured and maintained a web server (configuration of LDAP authentication, use of packages).

Within the Valorisation Unit :

- Developed R scripts for the automatic generation of quarterly and annual reports for the Eurosystem,
- Developed a R Shiny web application for data control.

Softwares : R, R Shiny, Shiny Server, OracleSQL

02/2016 - 01/2017 : Data scientist

Levallois-Perret, Groupe OPEN

As part of research and development projects :

- Human Resources data analysis : programming of an algorithm aiming to extract the information contained in the consultants' CVs then setting up a matching of the CVs with the available missions.
- Moodpeek, analysis of mobile application comments: processing of comments of mobile applications then applying NLP techniques to add statistics to semantic analysis.

Softwares : Python, Spark (PySpark), MongoDB, ELK, GCP

09/2014 - 11/2015 : Statistical analyst

Paris, Caisse des Dépôts et Consignations

Within the Banking Services Department, on the scope of loans to legal professions :

- Building a credits data-base with VBA using every single analytic sheet (Excel) of each loan
- Optimizing the current credit risk model and its consequences
- Analyzing the risk portfolio of known clients to build an assets quality scoring model
- Implementing the calculation of the Basel loss and provide an estimation model.

Softwares : SAS, VBA (Excel), SAP BI 4