Julien DUQUESNE

Data Scientist
French

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EXPERIENCES

January 2019-Present

Data Scientist at Paris Digital Lab

Paris Digital Lab is a digital technology specialization program enabling student to become proficient in various technologies through the realization of real-world projects, using **scrum methodology**. It's based on the philosophy learning by doing.
-Project for **BCG Platinion** : Designing and prototyping a monitoring tool enabling banks' operation managers to overview Interest Rate Swaps operations. It consists in building a pipeline for data we simulated to be displayed on a dashboard.
Technologies used : **NodeJs, React, RabbitMQ, MongoDB**

June - July 2018

Data Scientist at The Smart Arrow

The Smart Arrow is a startup offering brands services such as social media campaigns and community management.
I worked on these tasks during my internship:
-**Data exploration and visualization** to analyze social medias algorithm trends
-**Building pipelines** to predict key metrics representative of posts performance
-**Python, Pandas, Scikit Learn, TensorFlow**

2017-Present

Co-Founder at Kooala

Kooala is a startup aiming at democratizing the tailor-made trip : kooala.fr
-Entrepreneurship mind : Market Study, MVP, Lean Management
-Developed website using **Django, ElasticSearch, PostgreSQL, Nginx, JS**
-UX and Design Thinking methodology
-Strategies of customer acquisition : Social Networks, SEO, Google and Facebook Ads

2014-2015

Co-Founder at Young Industry

Company funded during my high school years developing mobile applications and websites. 3 applications on the Windows Phone Store using
C#, XNA and XAML. 50k downloads.

2018-2019

President at Genius CentraleSupélec

Association aiming at promoting entrepreneurship in the school. I have managed a **team of 30 students** and worked along with startups and entrepreneurs to design events.

EDUCATION

2017-Present

CentraleSupélec

Master of Science (MSc)
Ranked n°2 among French Engineering Schools.
GPA : 4.0
Main courses : **Machine Learning, Probabilities, Statistics, Optimization, Algorithm and Programming, Algebra**
Teaching assistant in the mathematic course

2015-2017

Pierre de Fermat Highschool

Intensive preparation course in Math, Physics and Computer Science for the highly ompetitive entrance exams to the French Grandes Ecoles.

TECHNICAL SKILLS

Data Science

Python - Pandas, Scikit-learn, TensorFlow, Numpy, Keras, OpenCV

Databases - SQL, MongoDB, ElasticSearch

Algorithms - Data Structures, Graphs, Dynamic Programming, Genetic Algorithms

Modeling

Mathematics - Markov Chain, Brownian movement, Optimization, Partial Differential Equations, Linear Algebra, Probabilities, Statistics

Computer science - Matlab, C#

Web

Python - Django

Javascript - React, NodeJs

Basics - HTML, CSS, SASS, LESS, Bootstrap

DevOps - Docker

PERSONAL SKILLS

Fast learner

I've learnt on my own using online content most of the programming languages I know. My scientific background and my multidisciplinarity allow me to drill deeply and quickly into new subjects.

Efficient

Try constantly to find the fastest and most efficient way of solving a problem.

Open-minded

Curious about people and a large field of subjects, willing to discover and learn new things every day.

Language

French, native language
English, complete professional capacity (TOEFL ITP : 630/677)

AWARDS

2018

Google Hash Code

580th over 4852 team in the word, top 10% among French teams
Hash Code is a team programming competition organized by Google. We pick our team and programming language, Google pick an engineering problem for us to solve.

2018

Kaggle Titanic Contest

Top 5%
The Titanic contest is a contest to practice Machine Learning and to compare yourself with others. I ranked 535 over 10200 teams.

HOBBIES & INTEREST

Game   Travelling   Book   Rugby   Chess   Fencing