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## Data Scientist & AI Engineer

### WHO AM I?

Freelance and graduate engineer passionate about Data Science and AI advances, and who loves coding with Python.

On my GitHub, you can check out some Jupyter notebooks I have created to showcase Machine Learning concepts to MSc students, as part of my current position as teacher assistant.

These cover web-scraping (selenium, beautifulsoup), data manipulation and wrangling using Pandas, introduction to Deep Learning neural networks architectures (simple perceptron, MLP, CNN, RNN/LSTM, etc.) using Numpy and Keras, understanding of some ML models with respect to bias-variance trade-off.

### EXPERIENCE

March 2020

#### Freelance

Barcelona

Projects: creation of Single Page Application (SPA) to create, edit and register invoice data for entrepreneur. Dockerized and deployed on AWS.

VUE.js frontend / Flask backend / Docker / continuous integration / TravisCI / AWS / SQLAlchemy

Sep 2019 – 2020  
September – February

#### Affiliate Teacher

ESILV - Engineering school Paris-La Défense

Instructor for MSc students pursuing an engineering degree in data science. Teaching the following areas:

- Python & R for Data Analysis
- Docker and virtualization

Python / Keras / Deep Learning / Machine Learning (CART, Xgboost, GLM, SVC, etc.) / Web-Scraping / R.RStudio / Docker

2019 – 2018  
February – September

#### Junior Data Scientist

Deloitte Luxembourg

Developed an end-to-end Python tool to preprocess, map and validate financial client data according to a newly implemented European regulation data model.

Python / Data validation checks

2018  
February – August

#### MSc Research Internship in Clinical Modelling & Simulation

UCL - University College London

6-month data science and medical research project in University College of London's clinical modelling & simulation unit in partnership with GSK -GlaxoSmithKline on benign prostatic hyperplasia: developed an integrated longitudinal and time-to-event model that describes both the progression of clinical symptoms and onset of complications

Model-based Meta-Analysis / R.RStudio / Time-to-event modelling

### EDUCATION

2016 – 2019

#### Master's Degree • Engineer's degree

ESILV - Leonard de Vinci Graduate School of Engineering

The educational project of ESILV revolves around science and digital technology combined with 4 major specializations: IT-Computer Science, digital and mechanical modeling, quantitative finance and new energy. I'm part of the computer science specialization

2017

#### Erasmus Exchange

Politecnico di Milano

Bioinformatics and computational biology, ICT for health care, Soft Computing, Artificial Intelligence, Image analysis and computer vision, Design and implementation of mobile applications

2015 – 2016

#### BSc degree in electronics

ENSEIRB-MATMECA Graduate school of engineering, Bordeaux

2013 – 2015

#### Preparatory classes for selective engineering schools

Lycée Fabert, Metz

2-year Mathematics, physics and engineering science courses in preparation for the selective entrance examination to French engineering schools

### LANGUAGES

**French** - native

**English** - fluent

**Spanish** - rudimentary

### HOBBIES

Piano: professional diploma

Swimming: university club member