LUC BERTIN

Python Developer & Data Scientist

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Website for my students

Malt profile

WHO AM I?

French freelance and graduate engineer, passionate about Data Science and AI, who loves coding in Python.

Since completion of my studies on September 2019, I create contents to teach MSc students Python programming, ML and DL concepts, so to both improve my theoretical knowledge and be able to better communicate about it. I also provide courses on Docker and the concept of Linux namespaces, but got increasingly involved in this tech for CI pipelines and deployments. When I'm not teaching, I'm on clients' missions.

I'm mostly self-learner. I spend extensive part of my time diving in the docs to have a good grasp of a subject matter, often prior to, sometimes while, implementing it. I read PEPs (who does not ?). Finally, I like clean, modular, concise yet powerful code. You can click on my attached freelance profile, teaching website, or my GitHub account for further projects details.

EXPERIENCE

2020
March – current

Freelance   **Barcelona**

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

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

2019
September – current

Affiliate Teacher   **Schools: ESILV, IIM, IPSI**

Instructor for MSc students pursuing an engineering degree in data science.

```
Python  /  Keras  /  Deep Learning  /  Machine Learning models (CART, Xgboost, GLM, SVC,
etc.)  /  Web-Scrapping  /  Docker  /   /  web-scrapping (selenium)  /  MLP, CNN, RNN/LSTM
/  Numpy, Pandas, Sklearn  /  introduction Kubernetes
```

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 begnin 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 - basics

HOBBIES

Piano: professional diploma
Swimming: university club member