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github.com/Luc-Bertin

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

2020
March – current

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

2019
September – current

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 - basics

HOBBIES

Piano: professional diploma
Swimming: university club member