LUC BERTIN

Data Scientist & AI Engineer

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WHO AM I?

Freelance and graduate engineering student with proficiency in some programming languages (Python, R, a little bit of C#, C) and great interest in Data Science with AI.

On my GitHub, you can check out contents I have created and showcase to students to illustrate ML concepts, as part of my current position as teacher assistant.

These Jupyter notebooks cover web-scrapping (selenium, beautifulsoup, apis), data manipulation and data wrangling using Pandas, data preparation for Deep Learning using Numpy, introduction to neural networks architectures (simple perceptron, MLP, CNN, RNN/LSTM, etc.) and Keras library, understanding of well-known ML models with respect to bias-variance trade-off.

EXPERIENCE

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

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

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Python / Data validation checks
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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

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