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ENGINEER IN MACHINE/DEEP LEARNING
From November

I have a Master in Artificial Intelligence and Advanced Visual Computing from École Polytechnique and I had job experiences as a Data Scientist and as a Deep Learning researcher.

Languages: French (C2), English (B2), Italian(C2)

Education

2019-2021 — École Polytechnique (France)
Master in Artificial Intelligence and Advanced Visual Computing
Main tools: *Python, C++, C#, R, MATLAB*

2014-2017 — University of Padova (Italy)
Bachelor's in computer science
Main tools: *C, C++, Qt, JAVA, Python, R, MATLAB, SQL, XHTML, HTML5, XML, PHP, JavaScript*

Description

This research-oriented program offers high-level scientific classes including two complementary branches, namely Artificial Intelligence and Visual Computing. The first branch takes into account statistical learning and data analysis, while the second looks at 3D computer graphics, virtual and augmented reality, multimodal interaction, computer vision and robotics.

This course of study of 3 years is made up of computer courses and activities, while the rest concerns the mathematical knowledge indispensable for a computer scientist. Traditional topics include C++ and Java programming, algorithms and data structures, databases and computer networks, wireless networks, web technologies and IT security.

Experience

Apr 2021 - Sept 2021 — INRIA (France)
Deep Learning Researcher
Main tools: *Python, PyTorch, Scikit, Tensorflow*

Apr 2020 - Sept 2020 — Amadeus SAS (France)
Data Scientist
Main tools: *Python, Scikit, Tensorflow, PySpark, PyTorch*

Sept 2018- Sept 2019 — SOGEA S.R.L (Italy)
Software developer
Main tools: *C++, Qt, SQL*

June 2018- Sept 2018 — SOGEA S.R.L (Italy)
Software developer
Main tools: *C++, Qt, SQL*

Oct 2017- Jan 2018 — Studio Com.unica (Italy)
Web developer
Main used tools: *Node.js, TypeScript, Angular, MongoDB*

Skills and Endorsement

This internship was about finding a way to detect the wrong predictions from a Deep Neural Network classifier, by analyzing the behavior of groups of its units. I propose a framework to mine units' values correlated to the correct and wrong classifications, using the power of DNN models to learn non-linear relationships between the input and the prediction, and mine the units' values correlated in order to detect future mispredictions.

5 months internship. The project was completed successfully and aimed to find a machine learning/deep learning model able to forecast the Customer Lifetime Value based on travelers' characteristics and purchase behavior.

Permanent job where my main tasks were to develop efficient desktop applications and build management systems for more than 100 customers of different industries.

3 months internship about developing an efficient desktop and tablet application for Imperial Fashion to manage their clothes production.

Project contract as a full stack developer inside the startup. I brought my contribution to the project Mode in term of system development.