Karim Assaad
Engineer - Data Scientist

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Education

09/2016–09/2017	**Master 2 in Information Processing and Data Exploitation**, *University of Paris-Saclay*, Paris, France, *www.universite-paris-saclay.fr*.
09/2014–09/2017	**Degree in Software Engineering (Specialized in Data Science)**, *École Nationale Supérieure d'Informatique pour l'Industrie et l'Entreprise*, Evry, France, *www.ensiie.fr*.
09/2011–06/2014	**Bachelor in Applied Mathematics**, *Université Saint Joseph*, Beirut, Lebanon, *www.usj.edu.lb*.

Projets

2017	Project which consists on estimating missing data of the Formaldehyde by using decision trees and Neural Networks methods (**MLP** et **Self Organized maps**) |Python
2017	Recognitions of signatures by using K-means and **GMM** |Matlab
2017	Predicting the usage of wikipedia in teaching by using **MCA** and **AFD** |SAS
2016	Developed **K-means** and **Form-Forte** algorithms |Python
2016	Participate in the Chalange Entrepreneurship Projects for TSP and TEM and ENSIIE
2016	Participate in a Kaggle competition that consists on predicting Titanic survivors by using **SVM** and **Random Forest** |R
2015	Project that consists on finding the degree of dependence between the wine quality and its chemical properties using **PCA** and Clustering |R
2015	Project that consists of predicting home sales using **linear regression**, **regularisation** and **Stepwise** |R
2014	Project that transforms a grayscale images into realistic colored images |Matlab
2014	Program that manipulates Hypothesis Tests |Matlab
2013	Program that calculates eigenvalues(QR) |C

Languages

Arabe (Mother tongue)

Anglais (Fluent)

Français (Fluent)

Espagnol (Beginner)

Experiences

04/2017–10/2017	**Statistical Analyst** *Crédit Agricole*, Paris, France, *www.ca.com* Analysis and development of credit scoring in order to create a statistical model to optimize production and risk |Spark
03/2017–04/2017	**Data Scientist (Research Internship)** *Locean*, Paris, France, *www.locean-ipsl.upmc.fr* Prediction of chlorophyll concentration using satelite image time series using Deep Learning methods(CNN and LSTM) and find the best validation methods |Python
06/2016–09/2016	**Data Miner (Internship)** *Weborama*, Paris, France, *www.weborama.com* Optimizing digital advertising activities by modeling and segmentation |Python, R
06/2015–08/2015	**Web Developer (Internship)** *Bank Audi*, Beirut, Lebanon, *www.bankaudi.com* Created web services |XQuery, XSD, WSDL
06/2014–07/2014	**Web Developer (Internship)** *Infosysta*, Beirut, Lebanon, *www.infosysta.com* Created a mobile app |JQuery Mobile
07/2013–09/2013	**Assistant Risk Analyst (Internship)**, *Bank Audi*, Beirut, Lebanon, *www.bankaudi.com* Created portfolios and calculated risk

Computer Skills

Data Processing:	Spark, Python, Scala, R, MatLab, SAS
Database:	Mysql, Postgresql, MongoDB
Web:	PHP, Html5/CSS, Javascript, JQuery, XML
Optimization:	Excel, GLPK ,Gantt projet
Functional:	Ocaml, Lisp
Object:	C++, Java
Imperative:	C
Assembly:	At&t, Intel
OS:	Linux, Windows, Mac

Personal interests

Horseback Riding, Skiing, Traveling and Music

References

Available upon Request