



Issame SARROUKH

Engineer (Centrale Lyon)



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[LinkedIn Profile](#)

Education

Centrale de Lyon, Master's degree in engineering

Branch : mathematics & risk engineering

Profession : Consultant | 2016-2019

Lyon 1 University, Double degree.

Master 2 Data Science | 2018-2019

Preparatory classes

mathematics and physics

| 2013-2016

Baccalaureate

Option : Mathematical Sciences

| 2012-2013

Skills

Language skills : French - Fluent ,
Arabic - Native. English - full
professional proficiency

Programming skills : Python, sklearn,
Tensorflow, Building Python libraries,
Java, R, Matlab, Linux, [git](#), Json,
mysql, HTML, CSS, JS, Django, Flask,
Android Studio, XML, Pack Office.

Certificates

Deep Learning courses (Deep learning.ai Coursera), Machine learning (Udemy), Java, Python and C++ (Sololearn), Python, Problem solving (Golden badges Hackerrank), C++ (Silver badge) [Follow this link](#)

Hobbies

Judo, reading, traveling, Video games.

Courses followed



Centrale Lyon | 2016-2019

Become a Consultant, Data Mining and Big Data, Big Data IT Challenges, Deep Learning, Algorithms for Business Decision Making, Introduction to financial mathematics, stochastic processes, Python programming language, Computer Networks, Structured Data Manipulation. Statistics applied to engineering sciences, applied and numerical analysis, probability and statistics, finite elements, optimization.



Lyon 1 University | 2018-2019

Machine Learning, probabilistic graphical models, Big Data Analytics, Cloud Computing. Inferential Statistics, Regression Models, Data Mining, Mathematical Basics for Data Science.

Internships

Apr-Oct'19 Data Scientist (AI Research Team) Amadeus, Sophia Antipolis, France

- Designing and Implementing a tool to assist the quality assurance engineer, combining new and known probabilistic and machine learning approaches, to statistically assess the bug potential of the different components of an application on the basis of changes made to code.

- Participate, with the Artificial Intelligence team, in the writing of a technical paper.

Jun-Sep'18 R&D engineer Egis International, Lyon, France

- Creation of a mobile application to monitor user displacement.

- Development of a user interface written in Python to get a view of user's points of interest based on an unsupervised Machine Learning algorithm.

Jul-Aug'17 Operator LABOTEST

- Making experiments on materials to confirm their compatibility with the standards set by the construction company.

Projects

Jan-Mar'19 Final Year Project MI Department of Centrale de Lyon

- Development of a [reinforcement learning agent](#) to play Ms. PACMAN (an Atari Game) based on three models : simple Deep Q-Network, Noisy Double Dueling DQN and N-step Double Dueling DQN.

Jan-Mar'19 Finance project Centrale Lyon

- [Pricing of an American and European option](#) utilizing R and Python and for multiple time configurations.

2018-2019 School projects Lyon 1 university

- Working on several projects ranging from anomaly detection to a Chatbot model ([link](#)).

2017-2018 Research Project MI Department de l'Ecole Centrale de Lyon

- Simulating an investor's portfolio based on Markowitz's theory,
- Integration of the simulation into a website that uses IEX data to predict the ratios to invest in each company. The [site \(for use only in a local server\)](#) written in Python uses Pandas library to process the data in real time.

2016-2017 Research project MI Department de l'Ecole Centrale de Lyon

- Designing, with a team of 6 people, the [application Parktout](#), available on Google Play Store, that helps the inhabitants of the city of Lyon to find a vacant place in a parking lot.

- Creating a statistical model to obtain the probability of finding a parking space from the database extracted from Data Grand Lyon website.

Extracurricular activities

- A member of the organizing team of "Séminaire Consultant 2018" and the creator of the [website](#) for the event, (response delay due to free server).

- The communication manager of Maroc Ecole Centrale de Lyon club.