

AIMAD GUALLAL

COMPUTER SCIENCE STUDENT SEEKING A 6-MONTH INTERNSHIP STARTING FROM MARCH

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📍 Paris, France

EXPERIENCE AND PROJECTS

DATA SCIENTIST INTERN

Telemedicine Technologies, Paris

— Sep 2021 – Ongoing

- Established a state-of-the-art for AI applications in the field of clinical research, including ML for coding adverse events in the field of pharmacovigilance.
- Built an automated text matching system using NLP for detecting near duplicates.
- Analyzed and classified data from PDFs, built a search engine system for indexing documents. Tools used: RegEx, PyPDF, nltk, spacy, gensim, TF-IDF, Cosine Similarity...

DATA SCIENCE LONG PROJECT, COFFREO

CentraleSupélec, Paris

— Feb 2021- June 202

- Handled a large dataset of 3M interim missions of Coffreo's clients.
- Categorized Coffreo's customers according to every customer's business sector and geographic area. Used Folium for geospatial viz.
- Compared 11 different predictive models for forecasting clients' demand based on time series data of missions. Used ARIMA/SARIMAX, NeuralProphet, TBATS, Machine Learning algorithms (Random Forests, KNN..), TBATS, VAR, etc.

RESEARCH PROJECT: DATA ANALYSIS AND SUPPLY CHAIN

ECOLE CENTRALE CASABLANCA

— Sep 2020- Jan 2021

- Established a state-of-the-art on how to apply data analysis to improve Supply Chain Management. (Demand forecasting with Bass model that takes in consideration consumer's advertisements and mass media influence)
- Built a web application for comparing the Bass model and other predictive methods.

CUSTOMER SEGMENTATION PROJECT, SOCIÉTÉ GÉNÉRALE

ECOLE CENTRALE CASABLANCA

— Sep 2020- Nov 2021

- Worked with the Société Générale Bank to develop programs and algorithms to identify typical customer profiles. (Use of clustering)

MODELING OF THE EVOLUTION OF THE DEMAND FOR DRINKING WATER, LYDEC

ECOLE CENTRALE CASABLANCA

— Sep 2019- June 2021

- Rebuilt a consumption database in the Grand Casablanca region over the period 2015-2019.
- Built cartography of urbanization zones over the 2015-2019 period using GoogleEarth and Arcgis.
- Develop a machine learning model of forecasting by making a correlation between the evolution of consumption of drinking water and urban development.

EDUCATION

INTERNATIONAL EXCHANGE – MATHEMATICS AND COMPUTER SCIENCE.

CentraleSupélec School — Feb 2021 – July 2021

Courses: Data Science, Cloud Computing, Optimization, Image Processing Stochastic, Finance and Risk Modelling, and Oriented Object Programming.

BACHELOR'S IN ENGINEERING SCIENCES

Ecole Centrale Casablanca — Sep 2019 – Jan 2021

Courses: Supply Chain Management, Applied Mathematics, Linear Algebra, Probability, Statistics, Graph Theory, and Programming.

UNDERGRADUATE CLASSES

Benguerir High School of Excellence — Sep 2017 – June 2019

Two years of undergraduate intensive courses in mathematics, physics, programming, and philosophy. Preparing for the national competitive exam for entry to the engineering schools.

CERTIFICATIONS

IBM Data Science Professional Certificate

HCIA-AI : Huawei Artificial Intelligence Certificat

KAGGLE: NLP Certification

SKILLS

Data analysis and

visualization: SQL, Excel, Pandas, Seaborn, Matplotlib, Plotly.

Machine Learning *Sickit-learn, TensorFlow.*

Programming languages: *Python, Java*

Natural Language

Processing:

NLTK, spaCy, BERT.

Cloud computing

Docker, MapReduce, Apache Spark.

Software Engineering

Web development (HTML, CSS, JavaScript, Nodejs, jQuery, Ajax)

LANGUAGES

Arabic: Bilingual

French: Fluent

English: Fluent

HOBBIES & INTERESTS

- Playing Football
- Traveling
- Watching Anime