

Big Data Engineer

ACHRAF ZBAIDA

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CAREER

Achraf Zbaida freshly graduated in the field of Big Data and Cloud computing. I have developed strong technical and personal skills in the field of Data. I am a conscientious person with a strong capacity for work. I am open to the use of new technologies and thus actively participate in the development of the company.

PROFESSIONAL EXPERIENCE

FY COMPUTING, RABAT (MOROCCO)

Data Scientist (Full Time). August 2020

- **Keyword extraction:** The extraction of keywords in an article, using either APIs (Amazon, Microsoft) or Spacy.
- **Extraction of sentences Relevant:** Extracting the most important sentences in a publication based on score or TF-IDF.
- **Translation:** Translate articles from French to English using the two Google Translate APIs or Microsoft Translator.
- **Strong points weak points:** Deduce the strengths and weaknesses of a product or a brand.

Technical environment : Python, Scrum.

Libraries used : Pandas, Matplotlib, Nltk, Spacy, sentence-transformers, Google Cloud, Microsoft.

FY COMPUTING, RABAT (MOROCCO)

Data Scientist (internship). February 2020 - July 2020

Implementation of an NLP engine for the classification and recognition of consumer opinions on e-commerce sites.

- **Data preprocessing :** Removal of duplicates, impute empty fields or else remove them, lemmatization and stemming
- Creating a BERT model for multi-tag classification
- **Model evaluation :** report classification, Confusion matrix, Hamming_loss.
- **Data Increase :** To enrich the data, based on word2vec and more precisely on the most_similar function.
- **Similarity calculation :** Creation of a model based on BERT to know the sentences expressed by each category.
- **Sentiment analysis :** To find out if consumers are speaking negatively, neutral or positively about a product or a brand.
- **Text summary:** To summarize the comments on a product or a brand based on BERT.

Technical environment : Python, Scrum.

Libraries used : Pandas, Matplotlib, Nltk, Spacy, sentence-transformers, bert-extractive-summarizer, Spark-nlp, pyspark.

MEDICLIC, CASABLANCA (MOROCCO)

Python developer (internship). June 2019 - August 2019

Creation of a website with ODOO in relation to the medical field.

Completed tasks :

- Analysis of business needs, study and design of technical solutions
- Creation of a Web application which allows to bring the patient closer to the doctors and pharmacies.
- Creation of a web application that acts as an intermediary between drug wholesalers, pharmacies and laboratories

Technical environment : Linux, Python, Xml, JavaScript, PostgreSQL.

BANQUE POPULAIRE, TANGIER (MOROCCO)

Php Developer. July 2018 - August 2018

- Realization of a computer application interacting with a database in order to allow: fast access to archived data, information security, organized data storage, reduction of the cost in archive management

technical environment : UML, Php, Html, SQL, CSS.

SEEBN-MA, TANGIER (MOROCCO)

Developer Laravel. Apr 2016 - Mar 2018

Creation of a web application that allows assigning orders to suitable machines according to several criteria.

Completed tasks :

- Analysis of business needs, study and design of technical solutions
- Development of a web application with Freamwork Laravel

technical environment : UML, Php, Laravel, Html5, CSS, JavaScript, SQL.

CERTIFICATIONS

- **Data Science** nanodegree Udacity
- **Data Engineer** nanodegree Udacity
- **IBMData Science Professional Certificate.**
- Data Analysis Certification by udacity - One Million Arabic Coders

EDUCATION

- ENSET MOHAMMEDIA UNIVERSITE HASSAN 2. (MOROCCO)
Big Data & Cloud Computing Engineer | 2017 - 2020
- FACULTY OF SCIENCES AND TECHNOLOGY OF TANGIER. (MOROCCO)
Bachelor of Science and Technology in Computer Science (Computer Engineering) from Tangier | 2016 - 2017
- FACULTY OF SCIENCES AND TECHNOLOGY OF TANGIER. (MOROCCO)
University degree in Science and Technology (Mathematics / Computer Science / Physics / Chemistry) |
2014 - 2016

ADDITIONAL SKILLS

- Project Management: SCRUM.
- Versioning: GIT, github, gitlab.
- Modeling: UML, Merise.
- Data Science: Data Analysis with Python, Spark, Pandas, Machine Learning, Deep Learning.
- Data Visualization: Matplotlib, Seaborn, Folium Python.
- Database: MySQL, MongoDB, Cassandra.
- Frameworks: Hadoop, Spark, Kafka, Hive.
- Environment: Linux, Windows
- Development language: PHP (Freamwork Laravel), Java, HTML5, CSS3, JS, C, C ++.

LANGUAGES

- French: Professional
- English: Professional
- Arabic: Kindergarten