

## Contact

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## Education

Master 2, Artificial Intelligence

University of Artois (France)

Sep 2021 - Aug 2022

Master, Business Intelligence  
and Big Data Analytics

University UCD (Morocco)

Sep 2018 – Aug 2020

License in Software Engineering

FSTE (Morocco)

Sep 2017 – Aug 2018

## Certifications

Practical Data Science on the AWS  
Cloud Specialization

AWS Cloud Technical Essentials

Understanding and Visualizing data  
with Python

Inferential Statistical Analysis with  
Python

Spoken Language Processing in  
Python

## Languages

English (Professional Working)

French (Fluent)

Arabic (Fluent)

Tamazight (Native or Bilingual)

German (Notions)

# Mohammad Zennou

Junior Data Scientist / ML Engineer / Data Analyst

## Top Skills

**Languages:** Python, R, Java, JavaScript, SQL, C, C++, UML, HTML/CSS

**Databases:** MySQL, PostgreSQL, MongoDB, ElasticSearch

**BI:** Power BI, Tableau, Qlikview

**Libraries:** NumPy, Pandas, OpenCV, Librosa, NLTK, Spacy, Transformer

**Frameworks:** Scikit-learn, Keras, TensorFlow, PyTorch, Streamlit, Spring Boot,  
Angular Bootstrap.

**Tools & Technologies:** Git, Docker, AWS, GCP, Heroku, JIRA

## Experience

### Bayer AG

#### Data Scientist Intern DS & AA for MAPV

June 2022 – Oct 2022, Berlin, Germany

Designed and implemented an NLP model to support regulatory experts to find actionable insights among thousands of documents from health agencies by:

- Collecting & Labeling Data with AWS Ground Truth,
- Cleaning & Analyzing the dataset,
- Creating a model for Topic Modeling,
- Leveraging fine tuning of NLP transformers models,
- And Adopting the Few Shot Learning approach.
- Develop a Web App to deploy the model in production.

**Tools:** Python · Flair · Pytorch · Numpy · Pandas · NumPy · BERTopic, Transformer 🤖 · AWS SageMaker

### DIGIUP

#### Data Scientist

December 2020 - April 2021, Morocco

Designed and implemented an NLP model for sentiment analysis.

Tasks performed:

- EDA,
- Preprocessing of the dataset,
- Build ML models,
- Evaluation of the models.

**Tools:** Python · Spacy · Pandas · NumPy · Matplotlib · Scikit-learn · TensorFlow

### Henceforth

#### Data Scientist Intern

March 2020 - August 2020, Morocco

Designed and implemented a Speech Recognition model to identify a person from his/her own voice.

- Collecting audio files and building a Dataset,
- Pre-processing the Dataset,
- Extract features from each audio file,
- Trained several machine learning models (KNN, SVM, RandomForest, CNN) to get the best classifier,
- Develop a Web App to deploy the model in production.

**Tools:** Python · Librosa · Streamlit · TensorFlow · Scikit-learn · Pandas · NumPy