



# Oussama TAHIRI ALAOU

27 years old  
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## SUMMARY

Software Developer / Data Scientist seeking more experience in a leading position where I can use my knowledge to help the company and clients optimize their tasks, using cutting edge technologies.

## SKILLS

### Programming:

- Python
- JavaScript/TypeScript
- C/C++, VBA
- Bash

### DBMS:

- PostgreSQL
- MongoDB
- Google BigQuery

### Services:

- AWS
- Docker
- Git

### OS:

- MacOS (1 year)
- Linux (5 years)
- Windows (15 years)

## LANGUAGES

Arabic ██████████  
 English ██████████  
 French ██████████  
 Spanish ██████████

## CAPABILITIES

- Project management.
- Leadership skills.
- Good communication.
- Ability to work under pressure.
- Flexibility and teamwork.

## SOFTWARE DEVELOPER / DATA SCIENTIST

### EXPERIENCE

#### Software Developer / Data Scientist

09/2021 – Present: Multiverse Computing, San Sebastian, Spain.

- Working on collaborative Forecasting and ML **Python** projects in finance using **Git** and **Docker**.
- Developing VBA frontend UI that communicates via **AWS** to a quantum computer and runs different optimization and estimation tasks.

#### Data Scientist

07/2020 – 07/2021: DOTGIS Corp, Madrid, Spain.

- Worked on collaborative Machine Learning (ML) projects using **Git** and **Docker**, from leading clients in the business, banking, energy, and utility sectors using cutting-edge ML technologies.
- Delivered data processing solutions for forecasting and data modeling using **Python**.
- Used ML and the **AWS** cloud to train prediction models and perform object detection.
- Created models for person detection and pavement cracks detection from scratch, using ML techniques and **Python** image detection libraries.

#### Data Science Intern

02/2020 - 07/2020: Ontology Engineering Group, Madrid, Spain.

- Created and implemented a natural language processing (NLP) approach to automatically update the Spanish DBpedia using **Linux** terminal (**Bash** language).
- Provided the approach code as a **Git** repository with required documentation to use it.

#### Software Engineer

02/2019 - 07/2019: Implemental Systems, Madrid, Spain.

- Developed and implemented a WEB / Mobile GIS application for drinking water quality management using **Angular 7**, **Node.js** and **PostgreSQL**.
- Implemented an interactive map to visualize the data and monitor the water quality.

## EDUCATION

### 2019-2020: Polytechnic University of Madrid (UPM), Spain

Escuela Técnica Superior de Ingenieros Informáticos

Master's Degree in Data Science

### 2016-2019: Abdelmalek Essaadi University, Tangier, Morocco

Faculty of Sciences and Technologies

Engineering Degree in Computer Science

### 2014-2016: Moulay Ismail University, Meknes, Morocco

Postgraduate Diploma in Science and Technology

## ACTIVITIES AND AWARDS

### July 2019: Young Generation as Change Agents Program Scholarship.

A mobility program with a full scholarship to study for a master's degree in Spain.

**April 2018:** Responsible for sponsoring and marketing at the 6th Edition of the National Meeting of Geoinformation (Drones Innovative Uses and Technologies in GIS).

**October 2017:** Leadership of the technical unit at the 4th International Meeting of the French-speaking Association of Physical Geography (AFGP).