



Reda El Marhouch

Data science & Knowledge Management Engineer

✉ r.elmarhouch@gmail.com

☎ +212 6 58 29 73 10

📧 elmarhouch.ml

🐦 RedaElmar

🔄 RedaElmar

🎓 EDUCATION

School of Information Sciences [ESI],

Diploma of State Engineer in Data Science and Knowledge Management

2018 – 2021 | Rabat, Morocco

CPGE Moulay Lhassan,

Preparatory classes (CPGE) : Physics and Engineering sciences (PSI)

2015 – 2018 | Tangier, Morocco

Ibn Zohr High School, Baccaureate Degree : Biology with first-class honours

2014 – 2015 | Ouezzane, Morocco

👜 PROFESSIONAL EXPERIENCE

Ai Movement, AI Engineer Intern

Mar 2021 – present | Rabat, Morocco

Implementation of an integrated management and monitoring system for smart parkings in Morocco: Approach based on Computer Vision and Deep Learning.

- Design and implementation of Moroccan license plate detection and recognition models.
- Implementation of a real-time vacancy detection model.
- Development of a platform with management modules.
 - automated billing.
 - add, edit and delete users and their access rules.
 - analytical dashboard.

Dial Technologies, Data Science Intern

Jun 2020 – Aug 2020 | Casablanca, Morocco

Design and implementation of an intelligent voice assistant for insurance customer service

- Design of different conversational flows for insurance customer service.
- Design and implementation of an autonomous intelligent voice assistant.
- Integration into various messaging platforms.
- Text/voice Input & Output.

AccelCity, Web & Mobile Developer

Jun 2019 – Aug 2020 | Casablanca, Morocco

Website redesign and development of a mobile application dedicated to the digitization of parking lots

- Website redesign and content management.
- Page Rank Optimization.
- Development of a cross-platform mobile application.

🧠 SKILLS

AI, Data Science & BI (Data Analysis, Data Visualization, Machine Learning, Matlab, Prolog, R, SPSS Statistics, Excel, Power BI, QlikView, Tableau, SQL Server.)

Software & Web Development (Python, Java, HTML5, XML, LATEX, Markdown, CSS3, Bootstrap4, Git, Javascript, Flask, PHP, Laravel.)

Mobile Dev (Android Studio, Unity, React Native.)

Modeling (UML, SysML, Merise, Protégé : Ontologies.)

DBMS (SQL, PL/SQL, SQLite3, Oracle (11g), MySQL, Access.)

Cloud (GCP, Azure, Oracle Cloud Infrastructure VMs, Google Colab, IBM Watson® Assistant.)

Big Data (Hadoop, HDFS, YARN, ZooKeeper, Apache Storm, Apache Spark, Flume.)

Competitive intelligence (Talkwalker, Feedly, Hootsuite, SimilarWeb, Google alerts, TweetDeck.)

🗣️ LANGUAGES

Arabic (native.), **French** (fluent.), **English** (fluent.)

📁 PROJECTS

CovidBot

A conversational assistant in Moroccan dialect (Darija) to raise awareness about the COVID-19 epidemic.

AR Console

An interactive augmented reality console with various serious games bringing gamification to educational content (chemistry) through AR.

DontTouchYourFace

A web application to protect yourself from Covid-19 while using shared computers. It detects when you unconsciously try to touch your face and warns you.

📄 CERTIFICATES

Huawei Certified ICT Associate in AI. – Huawei

(Expires Jul 2023)

Managing ML Projects with Google Cloud. – Google Cloud

Rasa Developer Certification

🤝 EXTRACURRICULAR ACTIVITIES

C.O.D.E (Club Of Data Engineers ESI),

Project Cell Head

Forum GENI Entreprises, Technical Team Lead

JCMP (La Jeune Communauté Marocaine

Publico-Eco), Social Media Coordinator

📖 SCIENTIFIC ACTIVITIES

Talk & discussion

Presented and discussed my internship work at Ai Movement in the forum: "Diversity and inclusion in AI" at IJCAI Montreal 2021 (the International Joint Conference on Artificial Intelligence) held remotely.

Volunteering & Grants

- Volunteered as an auditorium monitor for IJCAI 2021 : Moderating the Q&As at the plenary sessions.
- Received a grant to access IJCAI 2021 full conference, workshops and tutorials.
- Volunteered in the junior committee of ICSSD Rabat 2021 (the International Conference on Smart Systems and Data science) to assist in regards to slides preparation, task completion and workload.

Workshops

- Animated a workshop for engineering students at CODE ESI (Club Of Data Engineers) on Data processing / Data cleaning.
- Managed some training sessions for competitive programming contests.

🔗 INTERESTS

Photography | Graphic Design | Travel and Discovery