

BATOUCHE

Abderrahim Oussama

Doctoral researcher

In Data Science

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“ Be the change that you want to see in the world. “

Skills

AI and Data Science: Machine learning, Deep learning, CNNs, Tensorflow, Keras, Scikit Learn, Survival models, Joint Models.

Bioinformatics: Biological Databases, Sequence alignment, BLAST programs, Molecular phylogenetics, Genomics.

Programming: Python, R, JavaScript, C, C#, Php, Shell, Matlab.

Web Frameworks: Django, ReactJS, NodeJS, Laravel.

Version control: GIT, GITHUB ; GitLab ; Bitbucket.

DevOps: Docker & Kubernetes, Travis Ci.

Databases: SQL (Oracle, Mysql), NoSQL (MongoDB).

Linguistic knowledge: Arabic, English, French, Turkish.

Work Experience

| University of Helsinki / Doctoral researcher

Jan 2022, Helsinki -FINLAND-

KAUST / Research Visit

February 2024 Thuwal -KSA-

Aalto University / Research Assistant

October 2020 To December 2021 Espoo -FINLAND-

Aalto University / Internship

February 2020 To September 2020 Espoo -FINLAND-

LEAM Technology System / DevOps Developer

August 2019 To August 2020, Dubai -UAE-

i2b SPA / Software Development Engineer

January 2019 To November 2020, Kouba -ALGERIA-

KOONOUZ STORE / Full-Stack Web Developer & Trainer

January 2017 To September 2018, Kouba -ALGERIA-

Education

Master's degree in Bioinformatics

Faculty of Computer Science, University of Science and Technology HOUARI BOUMEDIENE

September 2018 to September 2020, Bab Ezzouar -ALGERIA-

Bachelor's degree in Information & Software Systems Engineering

University of Science and Technology HOUARI BOUMEDIENE

September 2015 To June 2018, Bab Ezzouar -ALGERIA-

Mathematics Bachelor

High School Mohammed El Bidjaoui

2015, El Madania -ALGERIA-.

Completed projects

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- **My Teeth:** computer software for a dentist clinic.
 - **M-049 Hajj Emergency System** is a system for medical emergency support for pilgrims, providing medical staff with real-time location of pilgrims, this project was supervised by Google Developers Experts.
 - **Agent assistant for SAP company**, AI solution that allows instant feedback for agents allowing them to improve immediately after each conversation, this project was with SAP engineers collaboration.
 - **LE PROSPECT CRM** for FECOM IT company.
 - **DNA Analyser** application, as part of the ML course.
 - **Vehicle Tracking** application (IoT platform).
 - **Biometric** authentication, edge distributed system, face recognition and eyes blinking.
 - AI-based system to help predict survival after 5 from breast cancer surgery ([Demo](#)).
 - **Easy3DCollab:** Effective radiation therapy plan review ([Demo](#)).
 - **OTF:** The object tracking framework is a system that allows users to perform object detection and tracking based on live video streaming ([Demo](#)) [Graduation project].
 - Dynamic visualisation of key KPIs for energy inefficiency from raw data of [Elisa](#) based on data analysis. ([Demo](#))

Extracurricular Activities

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- **GOOGLE DEVELOPER GROUPE ALGIERS (2017/20)**
 - **JUNCTION 2021, Winner.**
 - **JUNCTION 2019, Winner.**
 - **Mentor** at DevFest Hackathon (Oct 2019)
 - **Management and business training in KSA (Jul-Oct 2019).**
 - **JUNCTION 2018 Attendee (FINLAND)**
 - **Hajj Hackathon Attendee (KSA)**

