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-

Georgia Tech & Emory University / Research Visit
April-May 2024 Atlanta, GA -USA-

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 **proj**ects

- **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

- **G**OOGLE **D**EVELOPER **G**ROUPE **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)**