

Moulai Hassina Safaa

Described as calm and eager learner, solving problems is a passion of mine as much as mastering tools and programming languages. I'm looking forward to gather more knowledge about computer science specially Artificial intelligence, Computer networks and Optimization.

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[projects](#)



Education

09/2017 - 07/2019

Masters - Intelligent Computer Systems

University of Science and Technology Houari Boumediene, Algiers

Machine Learning | Complexity | Operating systems | Natural Language Processing | Data Mining | Information Retrieval | Knowledge representation and reasoning | Constraint programming | e-Commerce & Web services | Advanced Databases(Object oriented).

09/2014 - 06/2017

Bachelor - Computer science

University of Science and Technology Houari Boumediene, Algiers

Mathematics | Algorithmics | Operational research | Computer architecture | Databases | Network | Programming and Web development | Physics | Analog electronic.

07/2014

Scientific Baccalaureate

El Seddik Abdellah High School, Algiers

Mathematics | Physics | Chemistry | Natural science | Foreign languages(Fr+En) | Philosophy | History and geography.

Work experience

06/2016 - 07/2017

Algiers

Call Center Operator (summer job)

SCI PIERRE EPARGNE

- . Calling Potential Customers.
- . Developed statistics over people's savings preferences.
- . Convincing Customers to put their savings into Pierre Epargne company.

11/2018 - 07/2019

Algiers

Intern, Master's Graduation Project

IADM, Computer Science Dprt./USTHB

- . Created a simulator for different environments (complex, simple, semi-complex).
- . Created Multi-robots system to look for targets in unknown environments
- . Implemented strategies for avoiding obstacles in unknown environments.
- . Implemented Panification strategies based on swarm intelligence to look for targets in unknown environments.
- . Visulazation in real time of the search for targets in unknown environment.
- . Implemented a startegy to fix and optimize parameters of planification algorithms.

Technologies: **Python**, **numpy**, **Matplotlib**, **PIL**, **Java**, **Javafx**, **Jfoenix**, **Css**.

11/2016 - 06/2017

Algiers

Intern, Licence's Graduation Project

Riima, Computer Science Dprt./USTHB

- . Created a board emulator using the depth of images.
- . Created Air drawing application.
- . Extraction of information from images.
- . Developed some strategies allowing to Draw and Erase drawings.

Technologies: **C++**, **Kinect tools**, **Opencv**, **OpenNI**.

Languages

Arabic(native)

French(bilingue)

English(advanced)

Skills & competences

Programming Language

Python, **Perl**, **Matlab**, **Java**, **C++**, **C**, **Latex** **Javascript**,

Data Science

Machine

Learning

Matlab toolbox , **TensorFlow**.

Data Manipulation

Data Cleansing, **Data Scraping**, **Data Visualization**, **Numpy**.

Natural Language Processing

Text Classification, **Corpus Building**, **NLTK**

Backend

Django,

Databases & Storage

MySQL, **MongoDB**

Frontend

VueJS, **Bootstrap**

Tools

Git, Kinect(computer vision), Cisco (networks), Jade, Jason (Agent-oriented Programming)

Extracurricular

06/2018

Algiers

Leapfrog Hackathon

DarTech- Dounia Park, Algiers

05/2017

Algiers

Competition for the best final project

University of Science and Technology Houari Boumediene

Interests

Volunteer Work | Free/Open source software | Community Involvement | Club Memberships | Problem solving | Books | Learning languages.

OS preference

GNU/Linux(native)

MacOS(bilingue)

MS Windows(advanced)