

# 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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Algiers, Algeria



[github.com/moulaihassina](https://github.com/moulaihassina)



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)