

Moulaï 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 Planification strategies based on swarm intelligence to look for targets in unknown environments.
- Visualization in real time of the search for targets in unknown environments.
- Implemented a strategy 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

Image Processing

Digital image transformation Opencv tool Color detection

Data Mining

Structure Data Preprocessing Data Knowledge Extraction and Exploration Knowledge Visualization

Backend

Django,

Databases & Storage

MySQL, MongoDB

Frontend

VueJS, Bootstrap

Tools

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

Extracurricular

06/2018

Leapfrog Hackathon
DarTech- Dounia Park, Algiers

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)