

Soulaymen Chouri

R&D Software Engineer - PhD Student

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★ Summary

Research and Development Software Engineer and PhD Student, with solid experience in writing robust code, tests, documentations and reviews. Having huge passion for Data Analysis, Deep Learning and seeking new challenges to help solve complicated tasks and build next generation solutions and products.

About

- Gender: Male
- Birth Date: March 4th 1993
- Civil Status: Single
- Address: Touristic Route, Chott Mariem, 4042, Sousse, **TUNISIA**.

Education

February 14th 2018 - Present:

PhD Student at ISITCom Hammam Sousse: a collaboration between LATIS Laboratory and Enova ROBOTICS: Intrusion detection on Mobile Robot Pearl Guard.

September 2011 - July 2016:

Computer Science Engineering diploma, software architecture specialty at Higher Institute of Applied Sciences and Technology of Sousse

2011:

Baccalaureate Degree in Computer Science

Languages

Language	Reading	Writing	Speaking
Arabic		Native Language	
French	Excellent	Good	Excellent
English	Excellent	Excellent	Excellent
German	Beginner	Beginner	Beginner

Internships

Graduation Project 2016:

Development of a virtual interactive board using the wiimote as IR sensor for reading IR Pen pointing device and a software driver and drawing tool running on embedded devices (Raspberry PI) at [spike-x](#).

Keywords: *Qt, Wiimote, Bluetooth communication, X-server, Geometry*

Summer 2015

Design & Development of a website for Qualimex Consulting Group (website now down).

Keywords: *HTML, CSS, Bootstrap, PHP, MySQL*

Summer 2014:

Development of a software for evaluating OCR detection performance at [LATIS](#) Laboratory as well as a ground truth annotation tool. Paper of annotation this tool can be found [here](#) and evaluation tool [here](#).

Keywords: *Java, OCR, Detection Performance, Recall Precision and F-measure, XML*

Professional Experience

Sept. 5th 2016 - Feb 21th 2018

R&D Software Engineer at [Vneuron](#). Missions:

- I. Implementing phonetic, semantic and synonym search to enhance the IR process of an in-house ECM Solution.
Keywords: *ECM, Apache Solr, Apache Lucene, phonetic search, semantic search.*
- II. Integrating a BI/Analytics solution on the top of our custom ECM product.
Keywords: *ELK Stack(Elasticsearch, Kibana and Logstash), ETL, SOA, Integration, JEE, Data Visualization, Reporting, Alfresco ECM, CAS..*
- III. Developing a chatbot creation platform (Current Mission)
Keywords: *NLP, Machine Learning, Deep Learning, Tensorflow, LSTM, Python, NLTK, Jupyter Notebook, NodeJS, React, REST API..*

Contributions: Writing articles for the tech-blog, interviewing beginner candidates, hosting internal workshops

Feb 21th 2018 - Current

PhD Student [LATIS](#) Laboratory and [Enova Robotics](#). Missions:

- I. Person detection using Multispectral Cameras and multimodal feature fusion
Keywords: *Deep Learning, CNN, Python, Person Detection, Feature Fusion, ROS.*
- II. Optimizing camera stream quality & speed as well as Yolo detection frame rate.

Contributions: Writing articles for the tech-blog, interviewing beginner candidates, hosting internal workshops











Skills

- ★ Software Design & Architectures
- ★ Programming Paradigms
- ★ Software Optimization
- ★ Integration/SOA
- ★ Machine Learning & Deep Learning
- ★ Data Analysis

MOOC & Certifications

Machine Learning by Stanford University on Coursera. Certificate earned on November 25th, 2016.

Tech-Stack

Java		React	
Python		PostgreSQL	
C/C++		Unix/POSIX	
JS		Tensorflow/Keras	
Lua		Elasticsearch	

- ★ Frontend
 - Vanilla CSS, HTML & JS
 - React (and React Native) + Redux, Semantic UI, Bootstrap
- ★ Backend
 - NodeJS
 - Java
 - PHP
- ★ DataBases
 - MySQL
 - PostgreSQL
 - RethinkDB
 - Firebase
- ★ Data Science
 - Numpy
 - Scikit-learn
 - Pandas
 - Jupyter Notebooks
 - Keras/Tensorflow
- ★ Other technologies
 - Lua/LuaJIT
 - Octave/Matlab
 - OpenCL
 - Qt
 - Git & SVN
 - Blas/Intel MKL
 - SDL/SFML

Interests

Game Development, 3D Design, Digital Arts, Drawing , Video Games & E-Sports, Japanese Culture & Anime and Music (Learning Piano)