

Hatim JAMALI

Master of Science in Autonomous Systems | H-BRS, Sankt Augustin, Germany.
Embedded Mobile System Engineer | ENSIAS, Rabat, Morocco.

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Hirschberger Straße 62 53119 Bonn, Germany

born on June 4, 1996 (23 years)



EDUCATION

- October 2019 Present** | **Master of Science in Autonomous Systems, HOCHSCHULE BONN-RHEIN-SIEG, St.Augustin, Germany.**
> German Academic Exchange Service(DAAD) founded exchange fellowship.
Machine Learning Neural Network Autonomous Mobile Robots Computer Vision
Engineering Safe and Secure Autonomous Systems Advanced Software Technology
- September 2017 August 2019** | **Engineering Student at National School For Computer Science & System Analysis, ENSIAS, Morocco.**
> Embedded And Mobile Systems Speciality.
Data Structures Digital Electronics Computer Architecture Oracle Communication Networks VHDL
Embedded Systems Development Formal Methods Signal Processing Mobile Systems Real Time
- September 2014 July 2017** | **Bachelor of Science degree at Faculty of Science Dhar El Mahraz (FSDM), FEZ, Morocco.**
> Mathematical and Computer Sciences Speciality.
Linear Algebra Numerical Analysis Mechanical Engineering Algorithms JavaScript C/C++ Java PHP Linux
- July 2014** | **Baccalaureate of Mathematical Sciences (Sc.Math), FEZ, Morocco.**
Mathematical Basics Physics Basics Physical Basics Chemical Basics Biological Basics

WORK EXPERIENCE

- June 2019 August 2019** | **Embedded Software Developer, NEWDEVMAROC, Fez, Morocco**
> Design of embedded systems based on NodeMCU with storing database using HTTP protocol.
> Design and develop web application for managing employees scores.
UML Enterprise Architect Sublime Text 3 Wamp phpmyadmin Arduino PHP HTML CSS JavaScript
embedded C
- June 2018 July 2018** | **Software Architect, USMBA, Presidency, Fez, Morocco**
> Design and develop software application for managing IP addresses.
> Project management using Scrum methodology.
UML Enterprise Architect Eclipse SceneBuilder JAVA FX SQLite CSS
- February 2017 June 2017** | **Developer/Design Senior JEE, FACULTY OF SCIENCES DHAR MAHRAZ, Fez, Morocco**
> University library management system.
> Certificate from Duke University.
Tomcat Mysql Java XML Bootstrap HTML Hibernate Spring Eclipse Maven

SKILLS & COMPETENCES

Data Science	python (Numpy, Pandas, Scikit-learn, Tensorflow, Keras).
Computer Vision	OpenCV, Scikit-image, skimage.
Embedded Technologies	ARM, FPGA (VHDL), Atmega328, Arduino, Raspberry Pi3
Programming Technologies	Java (JEE (Spring Framework), JSE), Microsoft .Net (C,C++), PHP, Javascript, CSS, ADA (Real Time), Android
Others	ORACLE, MYSQL, UML, Model Driven Engineering, EMF, OCL, Merise, Formal methods , MATLAB, Shell, Embedded system programming (Kernel), Antennas, Signal processing.
Certificates	Summer School :GENIE AEROSPATIAL FST-Fes, System Validation EIT Digital, Java Programming and Software Engineering Fundamentals Duke University.
Tools	Eclipse, Obeo Designer, Enterprise architect, git, Dreamweaver, Wamp, Spyder, Collab

STUDENT PROJECTS

June 2019 August 2019	<p>A traffic light system, designed to let cars through only when enough cars queue, ENSIAS, Morocco.</p> <p>github.com/jamali005/</p> <p>> Our system was inspired by the lack of coordination between traffic light systems in real time.</p> <p>ADA GNAT</p>
February 2019 July 2019	<p>Invent a Smart System for dust detecting in solar panel, (NOOR OUARZAZATE), ENSIAS, Morocco.</p> <p>github.com/jamali005/</p> <p>> From pictures decides if the panel needs cleaning or not.</p> <p>Python Keras Tensorflow Scikit-learn Collab Spyder JAVA FX</p>
December 2018 January 2019	<p>Traffic Sign Recognition Artificial Intelligent, ENSIAS, Morocco</p> <p>github.com/jamali005/Traffic-Sign-Recognition</p> <p>> The goal of this project is design an image processing algorithm that can determine the type of the traffic sign. Using algorithm of machine learning.</p> <p>Python LBP SVM Spyder Collab</p>
October 2018 December 2018	<p>Generate compiler and interpreter pseudocode of SparkADA 2014 language, ENSIAS, Morocco.</p> <p>github.com/jamali005/Compilation</p> <p>> The goal of this project to know how to implement a compiler with C language.</p> <p>C Flex</p>
February 2017 June 2017	<p>INVENTED CANSAT (SOUNDING ROCKET) TO ANALYSE TEMPERATURE, HUMIDITY, PRESSURE REAL TIME, ENSIAS, Morocco.</p> <p>medium.com/the-new-generation-of-satellites/motivation-378a53a4c480</p> <p>> The CANSAT are one of these mini-satellites, to covering or simulating their main subsystems.</p> <p>Python Embedded C java(swing) Eclipse Sublime Text</p>

+ VOLUNTARY WORK

September 2019 August 2020	<p>Mentor of IEEE Student Branch ENSIAS, ENSIAS, Rabat, Morocco</p> <p>> IEEE Day event on the following theme "IOT and Machine Learning".</p> <p>> IEEE Extreme 13th Edition 286th/4103.</p>
August 2019 August 2019	<p>1st Prize StartUp WEEKEND, TECHNOPARK, Tanger, Morocco</p> <p>> Project is SMART GLOVE.</p> <p>> Team with 9 Members.</p>
February 2019 June 2019	<p>Top 5 Hackathon AL IRFANE, RABAT, Morocco</p> <p>> Project is NextGen AL IRFANE.</p> <p>> Team with 6 Members.</p>
September 2018 August 2019	<p>Chair of Program committee IEEE Student Branch ENSIAS, ENSIAS, Rabat, Morocco</p> <p>> IEEE Day event on the following theme "The computing of tomorrow".</p> <p>> IEEE Extreme 12th Edition 58th/4008.</p>
September 2018 August 2019	<p>Chair of ENSIAS Bridge, ENSIAS, Rabat, Morocco</p> <p>> Briefing with Graduated Student of our school.</p> <p>> Annual Meeting with leaders in Computer Science.</p>

LANGUAGES

Arabic	● ● ● ● ●
French	● ● ● ● ●
English	● ● ● ● ●
German	● ○ ○ ○ ○

“ REFERENCES

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Machine Learning, ENSIAS
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Big Data | EA-BPM-RPA-SOA Senior Sc. Consultant, ENSIAS
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