

JAMALI HATIM

EDUCATION

Master of Science in Autonomous Systems

H-BRS, Germany, 2019 - now

- » Computer Vision: detect the nuts in the visual field of given image sequences/videos and to discriminate the different types.
- » Neural Network.

Engineering Student Mobile Embedded Systems

ENSIAS, 2017 - 2019

- » Familiarity with ARM CORTEX M3 ADC, Timer, PWM, I2C, SPI, DAC(Embedded C).
- » FPGA/ASIC design tools, XILINX(Development in VHDL).
- » Critical real-time embedded system(ADA).

Bachelor of mathematics and computer science

FSDM, USMBA, 2014 - 2017

- » Develop software management student application for university(Java, JDBC, Swing)
- » File sharing in its network using the IP address and communication port(Java, Swing)

Baccalaureate of Mathematical science

Sidi Brahim High School-FEZ, 2014

- » Improve my competence for analysis and solve mathematical problems.
- » Improve my knowledge for physics systems(wave, optic, electric, mechanical, Chemistry).

EXPERIENCES

Embedded Software Developer

NewDevMaroc, Morocco, 06/2019

- » Design of embedded systems based on NodeMCU with storing database using HTTP protocol.
- » Design and develop web application for managing employees scores.

Second Year Projects

ENSIAS, UM5, 2019 - now

- » Invent a Smart System for dust detecting in solar panel. (NOOR OUARZAZATE)
- » Traffic Sign Recognition Artificial Intelligence(OpenCV, sikitlearn, Python).
- » A traffic light system, designed to let cars through only when enough cars queue.(ADA)
- » Generate compiler pseudocode and interpreter pseudocode of language ada(Flex, C).

Software Development Internship

Presidency USMBA Fez, 07/2018

- » Design and develop software application for manage IP address in favor of University's establishments(JavaFX).
- » Learn management project Scrum methodology.

First Year Projects

ENSIAS, UM5, 2017-2018

- » Invented CANSAT(sounding rocket) to analyse Temperature, Humidity, Pressure real time (Python, Arduino, JAVA, MATLAB)
- » Develop software application used to manage shop and small supermarket.(language C)

Bachelor Final Project

FSDM, USMBA Fez, 2017

- » University library management system Science Faculty Dhar Mahraz (Spring, JEE)
- » Library management system with HTML, CSS, JAVASCRIPT, PHP (Certificate from Duke University)

REFERENCES

My Professors as Engineering Student

ENSIAS, UM5,

- » Dr. Karim Baina Big Data|EA-BPM-RPA-SOA.Email: karim.baina@um5.ac.ma
- » Dr.Aissam BERRAHOU Machine Learning.Email: aissam.berrahou@gmail.com

My Professors as Bachelor

FSDM, USMBA,

- » Dr.Ismail BERRADA Intelligent Systems.Email: ismail.berrada@usmba.ac.ma
- » Dr.EL BEQQALI Omar Oracle Architecture.Email: omar.elbeqqali@usmba.ac.ma



CONTACT

📍 Bonn, Germany

☎ +49 178 507 4970

✉ hatim.jamali@ieee.org

🌐 github.com/jamali005

in hatim jamali-61811a153/

🔗 jamali005.github.io

SKILLS

</> Software Development

C / C++ - Python - Shell Scripting - PHP - JAVA - JEE - ADA - Assembly Language



Embedded Technologies

ARM - FPGA (VHDL) - Atmega328 - Arduino - Raspberry Pi3 & Others

ORACLE - MYSQL - command line - UML - Merise - Formal methods - EMF - OCL - MDE - MATLAB

TOOLS

</> Webstorm & SourceTree

>_ Terminal 🖌 Photoshop - Eclipse - Dreamweaver - Enterprise architect - Android Studio - Microsoft Visual Studio

ACTIVITIES



OPERATING SYSTEMS

