

## Imane KHALIS

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<https://fr.linkedin.com/pub/imane-khalis/a5/b28/322>

<http://imanekls.github.io/>

Age: 23

Availability: Immediate

## Education

- 2013-2015 **Master in Electronics, Systems and Telecommunications**  
University of Nice Sophia Antipolis, France
- 2012-2013 **Bachelor in Electronics and Computer science**  
Hassan 2 University, Mohammedia, Morocco
- 2010-2012 **DEUST in Mathematics, Physics and Computer science**  
Hassan 2 University, Mohammedia, Morocco  
DEUST = University diploma in science and technology
- 2010 **Scientific Baccalaureat in Physics.**  
Al Baroudi high school, Casablanca, Morocco

## Professional Experience

- 2015  
(6 months) **Software Engineer Internship**  
**INRIA**, Sophia Antipolis, France  
Topic: Data interpreter conception for the simulator of Light Esterel programs  
Synchronous reactive language - C++ implementation - Qt library - Conception of algorithms for synchronization and inter-process communication (Sockets)
- 2013  
(3 months) **Functional Analyst Intern**  
**COSUMAR**, Casablanca, Morocco  
Topic: Automation of a water treatment station  
Functional analysis - Gemma - Grafcet - Simulation on Unitypro.
- 2013 **Project:** Design of electronic smoke detector  
**Hassan 2 University**, Mohammedia, Morocco  
Circuit board design - Electrical signal generator (NE555) - Infrared Transmitter /Receiver (diode /photodiode) - Alarm generator - Testing

## Skills

- Programming: C/C++, Java, assembly language
- Synchronous languages: Esterel, Light Esterel, Lustre
- UML, SGBD, GIT
- RTL conception: VHDL language
- Complex programmable logic device: FPGA
- TLM modelling: SystemC
- Real time operating system ( $\mu$ c/OS II)
- Power and time management

**Tools:** Quartus, niosII, Grafcet, Unity Pro, Proteus Isis, Matlab, Motorola 6809, Emu 8086, Mentor DSP (fundamentals)  
IDE: Dev c++, code blocks, Eclipse, Qt creator

## Languages

Bilingual French / Arabic English: Professional

## Hobbies

Dance: Afro Brazilian /Zumba Karate: orange belt

## References

Dr. Annie RESSOUCHE Researcher at INRIA Sophia Antipolis  
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Dr. Daniel GAFFE Professor at University of Nice Sophia Antipolis  
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