Ismail Guedira

Engineering student in Integrated Electronic Circuits

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Education

2013 – Present **Engineering School at Grenoble Institute of Technology - Phelma**.
- Exchange student at EPFL (École Polytechnique Fédérale de Lausanne),
- Specialization program on Integrated Electronic Systems, studying digital, analog integrated circuits and RF designs.

2011 – 2013 **Post-secondary preparatory school**, *Lycée Descartes*, Tours.
Two - year intensive program in mathematics and physics preparing for the national competitive exam for entering engineering schools.

Experience

Sept. 2015 Present **Design of a bandgap reference voltage circuit, EPFL**, *Neuchâtel*, Suisse.
Semester project with the ESPLAB (Electronic and Signal Processing Laboratory), the main purpose of this project was the design of voltage reference weakly sensitive to power supply, parasitic noise and temperature varation.

May 2015 to August 2015 **Rolls-Royce Civil Nuclear Instrumentation & Control**, *Meylan*, France,
Internship period (4 months).
Integrate Mathcad software into the electronic process flow.
With the joint effort of the whole electronic design team, we established an efficient methodology to use Mathcad for time and efficiency saving.

February 2015 to April 2015 **Project : Design of Analog-to-Digital Converter, Grenbole Institute of Technology - Phelma**, *Grenoble*, France.
During a mixed analog and digital project, I have achieved every steps from studying and designing the architecture of each block of the converter to his final layout using Cadence.

August 2014 **ST Microelectronics**, *Crolles*, France,
Internship period (5 weeks).
During these weeks in a clean room through night shifts, I was in charge of preparing test wafers for the different units in the Crolles plant.

February 2014 to February 2015 **Vice president at the Phelma Junior Entreprise**, *Grenoble*, France.
- Manage a team of 38 people,
- Organisation of the School Forum with all the firm partners,
- Prospecting new partners and negociate contracts,
- Recruitement and Formation of the new team,
- Presente the association in various events and forums

Skills

Computer Science C programming : Implement a MIPS microprocessor emulator.

Software Simulate analog and digital integrated circuits with **Cadence**, digital protocol communcations with **Matlab** and **Simulink** and micro-waves, RF integrated circuits with **ADS**.

Anglais **fluent – BULATS - C1 83 / 100**

Intersts

Basket-Ball Regular practice in a national club for ten years and yet with the university.