Nicolas SCHOEMAEKER

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23 years old
Driving license
Own a car

NAME / **CONTACT**

Engineering student seeking a 6-month internship in
Analog Integrated Design

WORK EXPERIENCE

Smart Me Up   05.2014 - 09.2014
Cloud and **Multimedia** développer
- Developed a **remote computing** solution for advanced facial analysis algorithms

Junior Conseil Phelma   09.2012 - 09.2014
Project manager in charge of three **5-10k€** projects
- Managed and schedulded a team of **5** programmers for a year-long project in a **Junior Enterprise**.
- Lead a project with **Thalès Avionics** on a *Production Automatization with Image Processing* software.
- Estimated **project costs** and performed **tasks planification**.

In charge of IT development : developed an **Enterprise Resource Planning** software to assist in **project management**, internal and external events scheduling and teamwork dispatch.

ST Microelectronics   06.2013 - 08.2013
Technical operator in **clean room**
- Operated silicon wafers production machines
- Bonded very well with the team and helped boost motivation
- Designed a **new working procedure** submitted and approved by the team leader.

EDUCATION / **PROFILE**

Grenoble Institute of Technology - Phelma   2012 - CURRENT
Embedded Electronics Design class
- **Analog Integrated Circuit Design**
- Experimental work in **clean room** : designed 0.35 µm MOS capacitor
- Designed a **6-bit pipelined ADC** (from electrical characteristics to layout) with Cadence Virtuoso software
- Currently working on designing a WiFi transmitted *(System with **ADS**, Simulation & design with **Cadence**)*.
- Basic knowledge of **VHDL-AMS** : simulating a piezo-electric energy harvester with Cadence

SKILLS / **IT - AI - ROBOTICS**

IT Skills
Web design
- Mastering PHP5, HTML5, CSS3, Javascript (developed AJAX applications)
- Developed www.infiltro-aquitaine.com

Haskell
- Solid knowledge
- Language used for **Artificial Intelligence**

C
- Developed 32-bit MIPS microprocessor simulator

Artificial Intelligence & Robotics
Participated in Eurobot cup
- Implementing numerical trajectory correction

MIT and Stanford online training
- Neural Networks, Machine Learning
- Statement of Accomplishment
- Designed a **3-layer neural network** for **hand-written digit recognition**

English (TOEFL IBT : 630/677)

Oct. 2014