MARIO ROSSI

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Internship proposal to: **Hogwartz school of wizardry**

EDUCATION

*2016-Present
(up to 2018)* **EPFL - INP Grenoble - Politecnico di Torino**

M.Sc in Nanotechnologies for ICTs (Information Communication Technologies)

As one of the best students in Politecnico di Torino I was qualified to enrol into an elite M.Sc, fully taught in english, involving three of the most important European universities in the field of nanotechnology.
I have been studying at a different university each semester, initially at *Politecnico di Torino*, now at *INP Grenoble* and then at *EPFL*. Therefore I have been learning how to analyse, characterize and design a wide range of systems in the micro and nano-metric scale.

2013-2016 **Politecnico di Torino, Turin**

B.Sc in Electronic Engineering

· Final score: 107/110
The course was fully taught in English. The B.Sc gave me very solid foundations for the physical understanding of electrical phenomena and electronic devices. Furthermore it provided me the expertise to design both analog and digital circuits.

2014-2015 **Tongji University, Shanghai**

B.Sc in Information Technology Engineering

During my B.Sc I earned the opportunity to enter into a special double degree program between Politecnico di Torino and Tongji University in Shanghai. I spent the second year of B.Sc in China, following the Italian equivalent courses but having an almost unique learning experience

WORK EXPERIENCE

2016 **ISMB, Turin**

Internship

The experience in one of the most important Italian research institute provided me a prospective of an entire production process of an integrated circuit. In fact, I have actively contributed in all the steps for the design and development of a harsh environment low power conditioning circuit for arrays of antennas (now placed in Terra Nova Bay, Antarctica). During the internship I used Altium Designer (for the hardware design of the PCB board and antenna carriers), CCS (by Texas Instrument) for the firmware and Visual Studio for the software.

COMPUTER SKILLS

Programming C · C++ · VHDL · MATLAB · LaTeX · Phyton · HTML · CSS · Java · Javascript · R

Software COMSOL Multiphysics · Matlab · Quartus II · ModelSim · Altium Designer · CCS · System Workbech for STM32 · LTSpice · Android Studio

OS Microsoft Windows · Linux (Ubuntu and Raspbian)

OTHER INFORMATION

Languages
ITALIAN	·	Native speaker
ENGLISH	·	Proficient user
FRENCH	·	Basic user
CHINESE	·	Basic user

Interests Saxophone · Cooking · Swimming · Reading · Trading