

# 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  
Software

C · C++ · VHDL · MATLAB · L<sup>A</sup>T<sub>E</sub>X · Phyton · HTML · CSS · Java · Javascript · R  
COMSOL Multiphysics · Matlab · Quartus II · ModelSim · Altium  
Designer · CCS · System Workbench 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