

# Massimo Zannoni

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00.00.1900 | Italian | Male



## Working Experience

### Design Engineer

**GigOptix-Helix AG** (subsidiary of GigPeak, Inc.)  
*Seefeldstrasse 45, 8008 Zürich, CH*  
Optoelectronics

*2013 – current*

- ◇ High-speed Analog IC design in BiCMOS technology
  - 28 Gbit/s TIA receivers and VCSEL drivers
- ◇ RF and optical measurement
- ◇ Customer support and RMA analysis
- ◇ Production support
- ◇ IT and network infrastructure maintenance

### Thesis Worker

**ABB AB Corporate Research Center**  
*Forskargränd 7, 722 26 Västerås, Sweden*  
Power Technology Dept., Electric Power System Group

*July 2012 – December 2012*

- ◇ Semiconductor device modeling
- ◇ Power Electronics

## Education

### MSc in Electronic Engineering

**Università degli Studi di Parma, Italy**  
*Faculty of Engineering*

*2009 – 2013*

Analog/Digital IC Design, Semiconductor Physics, Sensor Technology, Power Electronics

- ◇ Thesis: *PSpice Modeling of 4.5 kV StakPak™ Modules*
- ◇ Grade: 107/110

### BSc in Electronic Engineering

**Università degli Studi di Parma, Italy**  
*Faculty of Engineering*

*2005 – 2009*

Electronics, Electrotechnics, Information Technology, Controls, PCB Design

- ◇ Thesis: *Experimental Characterization of a Magneto-hydrodynamic Micro-Stirrer*
- ◇ Grade: 108/110

## Personal Skills and Competences

### Languages

**Italian:** Native  
**English:** Fluent  
**German:** Beginner/Intermediate

*See Common European Framework (CEF) self-assessment table in the appendix.*

### Technical Skills and Competences

- ◊ Analog IC Design
- ◊ Full-custom analog IC layout
- ◊ RF and optical measurements
- ◊ Relate models to physical reality
- ◊ Attitude to solve practical problems where limited standardization exists
- ◊ Data analysis and elaboration
- ◊ Frequently switch between different kinds of task
- ◊ Clearly describe design issues before organization employees
- ◊ Hand-working: good familiarity with tools and instruments for building electronic systems; basic skills in the use of main mechanic hand and power tools

### Computer Skills and Competences

Operating Systems: Linux: very good knowledge  
Microsoft Windows: good knowledge

Electronic CAD: Cadence DFII (Virtuoso, Spectre), SPICE, Cadence OrCAD (PSpice), Cadence SoC Encounter, Agilent ADS

Programming: Python, C/C++, Matlab/Octave, shell scripting, VHDL, Verilog/VerilogA,  $\text{\LaTeX}$

Version Control: Subversion, ClioSoft SOS

### Organizational and Social Competences

- ◊ 2009–2012: responsible for design and realization of the electrical system of the racing car in the *Formula SAE* (Formula Student) team of the University of Parma
- ◊ 4 years experience as executive in a volleyball sport association
- ◊ Occasional collaboration with a cooperative, named *Lune Nuove*, in Parma, organizing cultural events, as assistant in logistics
- ◊ Volleyball player for 12 years, then Ultimate Frisbee player until present day
- ◊ Teaching and organizing experience in a course of basic computer ability

### Other Skills and Competences

- ◊ Good photo-editing and computer drawing skills
- ◊ Basic sound engineering skills
- ◊ Swiss Driving License: Category A and B

### Personal Interests

- ◊ Love for traveling
- ◊ Photography
- ◊ Guitar player (formerly in an amateur rock band)

### Annexes

- ◊ Appendix including publications, references and main projects developed during studies
- ◊ Reference letter by former manager available upon request