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| **PERSONAL INFORMATION** | Filippo Savazzi |
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| ../Desktop/stuff/Filippo_Savazzi2.png  |  Via Don Primo Mazzolari 2, 46010 Curtatone (MN), ITALY  |
|  +39 3475137079 |
|  filippo.savazzi@polito.it  |
| Date of birth 06/09/1991 | Nationality Italian  |

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| **WORK EXPERIENCE** |  |

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| 05/2017 - ongoing | Ph.D. candidate in Physics |
| **Politecnico di Torino, Italy** |
| * Atomistic simulations of materials; structure and properties.

Supervisor: Prof. Giancarlo Cicero. |
| 01/2017 – 05/2017 | Research fellow |
| **Politecnico di Torino, Italy** |
| * Development of simulation techniques for materials and devices. DeSal project - Polito
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| **EDUCATION AND TRAINING** |  |

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| 09/2014 – 12/2016 | Master of Science in Nanotechnologies for ICTs |  |
| **Politecnico di Torino, Italy** |
| * Solid State Physics, Electronic devices, Photonic devices, Nano-systems, Electronic properties of materials (ab-initio simulations, organic semiconductors, etc.), Technological processes, Finite Element Modelling, Computer-assisted modelling of semiconductors. Master thesis at Imperial College London.
* Thesis title: A theoretical investigation of the structural and electronic properties of Graphene Oxide.

Supervisors: Prof. Giancarlo Cicero, Dr. Giuseppe Mallia (Imperial College London). |
| 09/2014 – 12/2016 | Bachelor of Science in Electronics and Telecommunications Engineering |  |
| **Università Degli Studi Di Trento, Italy** |
| * Calculus I and II, Linear algebra, Physics (mechanics and electromagnetism), Microelectronics, Electromagnetic fields and propagation, Wireless communications techniques and design, Computer Science, Object-oriented programming, Digital electronics systems, Stochastic methodologies (signal theory and statistics), Electrical communications theory, Systems theory, Image processing, Electronics systems design, Economics.
* Thesis title: Caratterizzazione di un sensore ottico CAPD-3D e realizzazione di una scheda di acquisizione dedicata.

Supervisors: Prof. Gian-Franco Dalla Betta, Prof. Lucio Pancheri. |

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| **PERSONAL SKILLS** |  |

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| Mother tongue(s) | Italian |
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| Other language(s) | UNDERSTANDING  | SPEAKING  | WRITING  |
| Listening  | Reading  | Spoken interaction  | Spoken production  |  |
| English | C1 | C1 | C1 | C1 | C1 |
|  | TOEFL iBT (108/120) |
| French | A2 | A2 | A2 | A2 | A2 |
|  | Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user[Common European Framework of Reference for Languages](http://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr) |

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| Professional skills | * Scientific research:

Project development, evaluation of requirements, investigation methodologies, writing of scientific papers and reports, preparation of slideshows, oral presentations. Skills acquired during the preparation of my master thesis at Politecnico di Torino and Imperial College London.* Analysis of microelectronic circuits:

Skills acquired during the internship for my bachelor thesis project at Nano-Micro Systems Laboratory, University of Trento.* Tutoring at high school and undergraduate level:

Math, physics, electrical circuits and computer science |

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| Computer skills | * Excellent experience with the following programming languages:
	+ - Python
		- C/C++
		- Assembler 8085 and Motorola
* Good working experience with Quantum Espresso and CRYSTAL tools for first-principle simulations and LAMMPS for classical molecular dynamics.
* Excellent working experience with Mathworks Matlab.
* Excellent knowledge of the LaTeX mark-up language.
* Good knowledge of UNIX operating systems.
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| **ADDITIONAL INFORMATION** |  |

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| PublicationsConferencesPersonal interests | * Savazzi F., Risplendi F., Mallia G., Harrison N. M., Cicero G.; **Unravelling Some of the Structure-Property Relationships in Graphene Oxide at Low Degree of Oxidation**, *J. Phys. Chem. Lett.,* 2018, 9 (7), 1746-1749.
* Pancheri L., Savazzi F., Dalla Betta G.-F.; **IR-Optimized Silicon Demodulating Detector with 3-Dimensional Electrodes**, *proceedings of the 44th European Solid-State Device Conference (September 22-26, 2014 - Venice, Italy).*
* “A Theoretical Investigation of the Structural and Electronic Properties of Graphene Oxide” – Oral Presentation NM02.09.07 – MRS Fall Meeting 2017, Boston MA (USA)

Scuba diving, 60s – 70s – 80s rock music, film photography and dark-room processes, fishing, travelling, DIY electronics |