



Nicola Fiorello

Curriculum Vitae

Education

- 2019–in progress **Master Degree**, *University of Trento in collaboration with KTH Royal Institute of technology*, Trento - Stockholm.
Cloud and Network Infrastructures - EIT Master School program
- 2016–2019 **Bachelor degree**, *University of Trento*, Trento.
Information and communication engineering - Department of Information Engineering and Computer Science - **Thesis**: "MESH NETWORKING AND DRONES: Behaviour analysis of LibreMesh and study of its application in a scenario with network nodes transported by drones".
- 2007–2018 **Traditional and pre-academic courses**, *Conservatorio di Musica F.A. Bonporti*, Trento / Riva del Garda.
School of Piano (level B certification)
School of Music Composition (level B certification)
- 2011–2016 **High school diploma**, *Istituto tecnico "Giacomo Floriani"*, Riva del Garda.
Technician in electronics and automation with characterization in safety at the workplace.

Work Experience

- feb–jul 2019 **Internship**, *University of Trento*, Trento.
Research activity in the field of mesh networks, project entitled "Analysis of the performance of a mesh network based on the WiFi protocol".
- 2014–in progress **Web Developer**, Malcesine.
Occasional assignments for the development of web applications, websites and cloud-based management software. Participation in work teams in the role of front end and back end developer, project management and customer relations.
- 2017–in progress **Student Advisor**, *University of Trento*, Trento.
Orientation of future students in high schools and events
- 2015 **Computer technician**, *Riva del Garda Fierecongressi spa*, Riva del Garda.
Occasional occupation as a technician for IT assistance to speakers.
- 2014 **Internships**, *Iriti Sas*, Riva del Garda.
Electronic technician, repairs and assistance.

Foreign Languages

English **Good Level**
German **Scholastic-basic level**

(*elts Academic 6.5*)

Technical and IT skills

Programming C, C++, PHP, HTML, CSS, SQL, JS, VBA, ARDUINO.
Software Graphics, photo editing, audio editing, audio synthesis, IDEs, CAD, Git, Electro-magnetic simulation.
Network Management of hosting services, databases, domains and DNS; Mesh networking, routing protocols; Basic knowledge of SEO (Search Engine Optimization).
Electronics Microcontrollers and prototyping boards (arduino, raspberry pi), PLC, wired circuits; use of laboratory instruments.
Office suite ECDL certification (Word, Excel, Power Point, Access), \LaTeX .
OS Windows, Linux, Android.

Interests and Activities

- Hackathons as a developer.
- "Excite with science" workshop (Trento University, Mathematics Department)
- "Google Hash Code" 2017 and 2018 editions (international programming competition).
- "Robocup jr" 2014 and 2015 editions (national robotic competition).
- Musical activities at associations and speaker at music conferences.
- Private orchestral and choir conducting studies, participation in competitions, master-classes and specialization courses for pianists and composers.
- Photography.

Licenses, patents and certifications

- Driving license (A2, B)
- Radio station operator, class A
- Certificate for recreational or sports flight equipment conduction
- Certification "Fundamentals of digital marketing", *Google - iab - The Open University*