



Nicola Fiorello

Curriculum Vitae

Education

- 2022 **Qualification to the profession of Engineer**, *University of Trento*, Trento.
Section A, Information sector. Score 60/60
Registration N.5347 at the *Order of Engineers of Verona and Province*
- 2019–2021 **Master degree**, *University of Trento*, Trento, **110/110 cum Laude**.
Information and communication engineering
Department of Information Engineering and Computer Science
EIT Digital - Cloud and Network Infrastructures path
- 2019–2021 **Master of Science**, *KTH Royal Institute of technology*, Stockholm.
Computer Science and Engineering, ICT Innovation
School of Electrical Engineering and Computer Science
EIT Digital - Cloud and Network Infrastructures path - Networked Intelligence specialization
- 2019 **Summer School**, *Tallinn University of Technology (TalTech)*, Tallin.
EIT Digital Summer School in Secure E-Governance
- 2016–2019 **Bachelor degree**, *University of Trento*, Trento.
Information and communication engineering
Department of Information Engineering and Computer Science
- 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

- 2023–in progress **Co-founder and Cloud Engineer**, *ATLED S.r.l*, Verona.
Innovative startup project focused on cloud computing, data analysis and artificial intelligence.
- 2022–in progress **Cloud & IoT Project Engineer**, *Giordano Controls S.p.A*, Villa Bartolomea.
Research and development in the electronics and IoT field, with focus on Firmware development and design of full-stack Software and Cloud infrastructures.
- 2021–2022 **Back-End Research and Development Engineer**, *TELENIA Software s.r.l*, San Bonifacio.
Development and research activities for the writing of the master's degree thesis for a semester, followed by a full-time employment in the telecommunications software development industry.
- 2020–2022 **ETRP Senior - Research**, *Eledia Research Center UniTn*, Trento.
Research activity in the field of Wireless Services, Systems, and Devices.
- 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".

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2014-2021 **Web Developer**, Trento - Verona.

Development of web applications, websites and cloud-based management software. Participation in work teams in the role of full stack developer, project management and customer relations.

2014 **Internships**, *liriti Sas*, Riva del Garda.

Electronic technician, repairs and assistance.

Foreign Languages

English **Good Level**

(*elts Academic 6.5*)

German **Scholastic-basic level**

Technical and IT skills

Programming C, C++, Embedded C, NodeJS, Java, PHP, Python, Html&Css, SQL, JavaScript, Visual Basic.

Software Graphics, photo editing, audio editing, audio synthesis, IDEs, CAD, Git, Electromagnetic simulation.

Cloud Amazon Web Services (*advanced experience*), Google Cloud Platform (*intermediate experience*),
Providers Microsoft Azure (*basic experience*).

Network Management of hosting services, databases, domains and DNS; Mesh networking, routing protocols, SDN; Virtual environments, cloud computing, fog computing, containers, orchestration and autoscaling; Basic knowledge of SEO (Search Engine Optimization).

Electronics Microcontrollers, embedded systems, prototyping boards, wired circuits; use of laboratory instruments.

Office suite ECDL certification (Word, Excel, Power Point, Access), \LaTeX .

OS Windows, Linux, Android.

Software Software design, requirements analysis, team work, project coordination; AGILE, SCRUM, test-driven programming and pair-programming methodologies.

Interests and Activities

- Hackathons as a developer.
- "Excite with science" workshop (Trento University, Mathematics Department)
- Participation in various editions of "Google Hash Code".
- Musical activities for associations, speaker at music conferences.
- Private orchestral and choir conducting studies, participation in competitions, master-classes and specialization courses for pianists and composers.

Licenses, patents and certifications

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

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