

## RELEVANT EXPERIENCE

### Researcher and Software Engineer @ CTTC | Barcelona, Spain

Aug 2017 - Present

- Currently, **Researcher (R2)** in Packet Optical Networks and Services (PONS) Research Unit.
- NFVI and System Administrator for the PARADIGMS testbed, overseeing platform instance management using Linux, OpenStack, Kubernetes, and automation tools.
- Software Engineer and System Administrator role inside the Optical Networks and Systems RU.
- Software Engineering based on Python libraries and scripting technologies to achieve the development of hardware and software test-beds.
- Research activity focused on SDN/NFV, Network Virtualization and Network Orchestration within the H2020 European Projects 5G-Transformer and 5GROWTH.

### Software Developer @ Starlab | Barcelona, Spain

Feb 2017 - July 2017

- Activity in Space Software development especially focused on Python GIS libraries and OGC standards.

### Large Format Printing Qualification Agent @ HP/Sitel | Barcelona, Spain

Aug 2014 - Jan 2016

- Qualification for Hardware and Software issues for end Users for the Italian market. Global Web, Email and CRM based support case management. Purchase and order management.

### Technical Support Engineer @ Digital Italia S.p.A. | Firenze, Italy

Sep 2011 - Oct 2012

- User activation and support management for Italian telephone (and data services) company in Unbundling Local-Loop (ULL) OLO "Digital Italia".
- Installation, configuration and supporting of VoIP hardware and software.
- Research activity on CLASS 5 services for local telephone company networks (IP Centrex over VoIP technology).

### Research Engineer @ University of Florence | Firenze, Italy

Nov 2008 - Aug 2011

- Software and Hardware research activity on Broadband Wireless Systems, Software Defined Radio and Wireless Sensor Networks. Development for hardware and software test-beds.
- Actively involved in several Italian research projects, with regular production of reports and scientific publications about research work of the above-mentioned topics.
- Supervisor of official dissertation works of students.

## EDUCATION

### University of Florence

Degree in Telecommunications Engineering

Firenze, Italy

- Radio communication and Telecommunication System, Mobile Communications.

### Universidad Politécnic de Catalunya, Barcelona TECH

Master's degree in Applied Telecommunications and Engineering Management

Barcelona, Spain

## Luca Vettori, MSc

Researcher and Software Engineer



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## SKILLS

### Programming Languages

Python, JavaScript (ES6), HTML, CSS, SQL, NoSQL.

### Libraries & Frameworks

jQuery, D3, Flask, Jinja2, Bootstrap, REST, MongoDB, MySQL

### Tools & Platforms

Bash, Git, Docker, LXC, Kubernetes, OpenStack, OSM  
Data Models: YANG, YAML, XML  
Data encoding: JSON

## CERTIFICATIONS

### ITIL® Foundation certificate

Score: 95%

## PUBLICATIONS AND AWARDS

### Int'l conferences and Journals

More than 15+ publications.

### Best Demonstration Award

IEEE Secon 2021

### Best Fast Track Paper

IEEE NFV-SDN 2020

## LANGUAGES

Italian, English, Spanish, Catalan

## INTERESTS

Tech enthusiastic. Cycling, Poker, Video Editing.