# Europass Curriculum Vitae

My LinkedIN profile
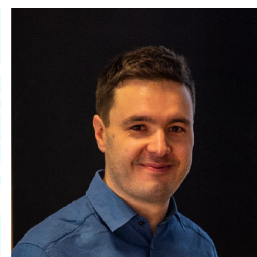
## Personal information

| | |
|---|---|
| Surname / First name | **Buracchi Marco** |
| Address | 95, Via Pier Capponi, 50132, Firenze (FI), Italy |
| Telephone | +39 3498362954 |
| Personal Email | Personal: ma.buracchi@gmail.com<br>PEC: marco.buracchi@postecert.it |
| Nationality | Italian |
| Date of birth | 19/12/1985 |
| Gender | Male |
| Bio | I'm an ICS CyberSecurity Specialist at H-ON Consulting in Prato and I attend the Short Specialisation Programme (Master I livello) in Cybersecurity at the Pisa University. I graduated in October 2018 with 110/110 cum laude at the master's degree in computer science, "resilient and secure cyber physical systems" curricula. My master thesis was on *"Side-Channel Attacks and speculative execution"*. Before, I obtained the bachelor degree in computer science in 2015 with 110/110 cum laude. |

## Desired employment/ Occupational field

**IT/OT/IoT security, Software Development & Research**

## Education and training

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|---|---|
| Dates | 02/2019 - 03/2020 (expected) |
| Title of qualification awarded | Short Specialisation Programme - Master I livello in cybersecurity |
| Principal subjects | Applied Cryptography and Access Control, Network Security & Ethical hacking, Operating Systems Security, Digital Forensics, Cyber Intelligence, Mobile and cloud security, Legal aspects of cybersecurity, Secure system configuration, device hardening and firewall management, Risk monitoring for networks and applications, Secure application development (network, mobile, cloud) |
| Occupational skills covered | Expert in security analysis of applications and IT systems, expert in cyber attacks analysis |
| Organization | University of Pisa, Department of Information Engineering<br>CNR (Consiglio Nazionale delle Ricerche) - Institute of Informatics and Telematics |
| ISCED/EQF level | 7 |
| Dates | 01/10/2015 - 12/10/2018 |
| Title of qualification awarded | Master's degree (Laurea Magistrale) in Resilient and Secure Cyber Physical Systems |

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|---|---|
| Principal subjects/Occupational skills covered | Security engineering, Security and network management, Distributed programming for IoT, Multivariate analysis and statistical learning, Coding theory and computer security, Advanced techniques (and tools) for software development, Advanced topics in programming languages, Computer forensics, Models of sequential and concurrent systems, Quantitative analysis of systems, Real-time and critical systems, Systems modeling for verification, Advanced numerical analysis |
| Organization | University of Florence, Faculty of Maths, Physics and Natural Sciences |
| Final grade | 110/110 cum laude |
| ISCED/EQF level | 7 |
| | |
| Dates | 08/08/2017 - 12/08/2017 |
| Title of qualification awarded | Cornell, Maryland, Max Planck pre-doctoral research school |
| Principal subjects/Occupational skills covered | Security and privacy, social systems, distributed systems, machine learning, programming languages, and verification |
| Organization | Max Planck institute for software systems, Cornell University, University of Maryland |
| | |
| Dates | 01/10/2012 - 09/10/2015 |
| Title of qualification awarded | Bachelor's Degree (Laurea Triennale) in Computer Science. |
| Organization | University of Florence, Faculty of Maths, Physics and Natural Sciences |
| Final grade | 110/110 cum laude |
| ISCED/EQF level | 6 |

## Work experiences

| | |
|---|---|
| Dates | 13/02/2020 - now |
| Occupation or position held | ICS CyberSecurity Specialist |
| Main activities | ICS CyberSecurity consulting, R&D |
| Name and address of employer | H-ON consulting, Via Lepanto, 23, 59100 Prato PO |
| Type of business or sector | ICS CyberSecurity |
| | |
| Dates | 01/10/2019 - now |
| Occupation or position held | Junior Security Engineer |
| Main activities | Vulnerability assessment, penetration testing, research and development. |
| Name and address of employer | Florence Consulting Group, Via Luciano Lama, 23, 50019 Sesto Fiorentino FI |
| Type of business or sector | IT Security |
| | |
| Dates | 28/11/2018 - 31/08/2019 |
| Occupation or position held | Private tutor |
| Main activities | One-on-one in-house tutoring for middle-school, high-scool and university students. |
| Name and address of employer | Centro didattico Matemagia - Via Baracca 166, Firenze |
| Type of business or sector | Private education |
| | |
| Dates | 01/04/2015 - 01/10/2016 |
| Occupation or position held | Research helper |
| Main activities and responsibilities | I took part in AMADEOS project (Architecture for Multi-criticality Agile Dependable Evolutionary Open System-of-Systems) funded under the European Commission's FP7, supporting research in definition, implementation and evaluation of mechanisms and solutions for the resilient management of the time in the smart grid and smart cities. http://amadeos-project.eu/ |
| Name and address of employer | Prof. Andrea Bondavalli, Resilient Computing Lab, Università di Firenze |
| Type of business or sector | Research and experimentation of dependable architectures and systems |
| | |
| Dates | 01/05/2006 - 01/09/2012 |
| Occupation or position held | CNC Machinist and Programmer |
| Main activities | AutoCAD drawing, CNC programming and cutting (laser cutting, machining center, wire EDM) |

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|---|---|
| Name and address of employer | Nuova 230AR, Arezzo, Italy (01/05/2006 - 01/05/2008) |
| | Gabry packing, Arezzo, Italy (01/05/2008 - 01/09/2012) |
| Type of business or sector | Manufacturing industry |
| | |
| Dates | 01/09/2004 - 01/05/2006 |
| Occupation or position held | Technical employee |
| Main activities and responsibilities | Direct measurement in field, fixture designer, autoCAD drawing, cutting programs developer |
| Name and address of employer | Emmedi srl, Arezzo, Italy |
| Type of business or sector | Manufacturing industry |

## Personal skills and competences

**Mother tongue** — **Italian**

**Other language(s)**

*Self-assessment*
*European level*(*)

|  | Understanding | | Speaking | | Writing |
|---|---|---|---|---|---|
|  | Listening | Reading | Spoken interaction | Spoken production |  |
| **English** | C1    Proficient user | C1    Proficient user | C1    Proficient user | C1    Proficient user | C1    Proficient user |

(*)*Common European Framework of Reference (CEF) level*

**Computer skills and competences**

Very good computer skills, learned as self-taught and through the University. Good knowledge in the use of Kali Linux OS and various IT security and cyber intelligence tools (among the best known: Metasploit, OpenVAS, Nessus, Legion, Maltego). High expertise with many tools such as Apache NiFi, ElasticSearch, Kibana, Maven, Github, virtualization tools, Docker, test-framework.

**Artistic skills and competences**

I studied piano at conservatoire for 4 years. I can play guitar. I love skiing and I'm a futsal goalkeeper for more than 10 years

**Driving licence(s)**

Driver's license (Italian Republic, full European validity), category A (motorcycle owner) and B (car owner).

## Additional informations

**References**

Prof. Michele Boreale, University of Florence, Italy, michele.boreale(AT)unifi.it;

Prof. Rosario Pugliese, University of Florence, Italy, rosario.pugliese(AT)unifi.it;

**Personal interests**

IT security, Technology, Mathematics, Physics and Science in general. Books, Music and all kind of sports. Travelling around the world.

I hereby authorize the processing of the personal data contained in this CV in compliance with the Italian Personal Data Protection Code (Legislative Decree no. 196 of 30 June 2003 and GDPR 679/16 art.13)

Signature: