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 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

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
Name and type of organization providing education and training	University of Pisa, Department of Information Engineering CNR (Consiglio Nazionale delle Ricerche) - Institute of Informatics and Telematics
Dates	01/10/2015 - 12/10/2018
Title of qualification awarded	Master's degree (Laurea Magistrale) in Resilient and Secure Cyber Physical Systems

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
Name and type of organization providing education and training	University of Florence, Faculty of Maths, Physics and Natural Sciences
Level in national classification	110/110 cum laude
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
Name and type of organization providing education and training	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.
Principal subjects/Occupational skills covered	Algorithms and data structures, Calculus I and II, Computer architecture, Computer networks, Computing and management, Concurrent programming, Databases and information systems, Discrete mathematics and mathematical logic, Human-Machine interaction, Information retrieval and semantic web technologies, Interpreters and compilers, Linear Algebra, Numerical analysis, Operating systems, Physics, Probability theory and statistics, Programming methodologies, Theoretical computer science
Name and type of organization providing education and training	University of Florence, Faculty of Maths, Physics and Natural Sciences
Level in national or classification	110/110 cum laude.

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)
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:

For more informations go to https://it.linkedin.com/in/marco-buracchi-287074b2
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