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, 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.
Occupational skills covered	Expert in security analysis of applications and IT systems, cyber attacks analysis, big data and machine learning applied to cybersecurity.
Organization	University of Pisa, Department of Information Engineering
	CNR - Institute of Informatics and Telematics
ISCED/EQF level	7

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Dates	11/2018 - 07/2019
Title of qualification awarded	CISCO Cybersecurity Scholarship Italy
Certification obtained	Introduction to cybersecurity (11-2018), Cybersecurity essential (01-2019), Introduction to Packet Tracer (02-2019).
Organization	CISCO networking academy
Dates	01/10/2015 - 12/10/2018
Title of qualification awarded	Master's degree 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
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 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	Cybersecurity consultancy applied to the OT / IACS world in accordance with the processes and requirements of the IEC 62443 standard, development of services and techniques for the analysis of customer systems in terms of infrastructure and vulnerability, risk analysis, development of specific technical reports, procedures, the choice of necessary HW and SW and the setting up of a new dedicated laboratory. Identifying and coordinating a team of technicians dedicated to the service.
Employer	H-ON consulting, Via Lepanto, 23, 59100 Prato PO
Type of business or sector	ICS CyberSecurity

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Dates	01/10/2019 - now
Occupation or position held	Junior Security Engineer
Main activities	Vulnerability assessment, penetration testing, research and development.
Employer	Florence Consulting Group, Via L. 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.
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/
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
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	B2 Independent user	C1 Proficient user	B2 Independent user	B2 Independent user	B2 Independent 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)	category A (motorcycle owner) and category 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:

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