Europass Curriculum Vitae

My LinkedIN profile
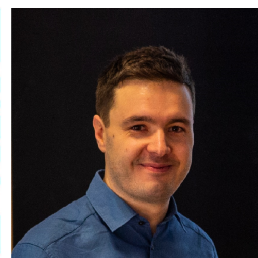
Personal information

Name / Surname	**Buracchi Marco**
Address	9, Via Umberto Crocetta, 50141, 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 Marco, in September 2012 I decided to enroll myself at the University of Florence to pursue my true passion; computer science and security. I graduated in October 2018 with 110/110 cum laude at the master's degree in resilient and secure cyber physical systems. My master thesis was on *"Side-Channel Attacks and speculative execution"*. After that, I attended the Short Specialisation Programme (Master I livello) in Cybersecurity at the Pisa University, graduating with full marks. As a final project of the master I carried out a penetration testing of an android application developed internally by the company where I did a six months internship, the Florence Consulting Group of Sesto Fiorentino. Subsequently, I worked at H-ON Consulting in Prato where I discovered the world of OT cybersecurity. My principal activity was providing cybersecurity consultancy applied to the OT/IACS world following the processes and requirements of the IEC 62443 standard and NIS directive (D.Lgs. 65/2018). Now, I'm an IT Security Specialist at Autostrade per l'Italia.

Desired employment/ Occupational field	**IT/OT/IoT security, Research & Development**

Certifications

Date	20/04/2021
Title of qualification awarded	ISA/IEC 62443 Cybersecurity Fundamentals Specialist (ISA/CFS) certificate owner
Organization	ISA (International Society of Automation)

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

Date	24/11/2020
Title of qualification awarded	Tenable Certified Sales Engineer OT
Organization	Tenable
Date	13/11/2020
Title of qualification awarded	ISO27001 Lead Implementer
Organization	BSI Group (British Standard Istitution)

IT/OT Work experiences

Dates	01/09/2021 - now
Occupation or position held	IT Security Specialist
Main activities	Si vedrà...
Employer	ASPI - Autostrade per l'Italia
Type of business or sector	IT Security
Dates	13/02/2020 - 01/08/2021
Occupation or position held	ICS CyberSecurity Specialist
Main activities	Cybersecurity consultancy applied to the OT/IACS world following the processes and requirements of the IEC 62443 standard and NIS directive (D.Lgs. 65/2018). Assessment of customer systems in terms of infrastructure, vulnerability and risk analysis. Development of technical reports and procedures. Internal and external training activities. Holding courses on industrial cybersecurity, IEC62443 and ethical hacking. Development of the new OT cybersecurity internal lab
Employer	H-ON consulting, Via Lepanto, 23, 59100 Prato PO
Type of business or sector	ICS CyberSecurity
Dates	01/10/2019 - 01/04/2020
Occupation or position held	Junior Security Engineer
Main activities	Vulnerability assessment of customer's infrastructures. Penetration testing of android applications. Security solutions for docker containers.
Employer	Florence Consulting Group, Via L. Lama, 23, 50019 Sesto Fiorentino FI
Type of business or sector	IT Security
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

Other Work experiences

Dates	28/11/2018 - 31/08/2019
Occupation or position held	Private tutor
Main activities	One-on-one in-house tutoring from middle-school to university students.
Employer	Centro didattico Matemagia - Via Baracca 166, Firenze
Type of business or sector	Private education
Dates	01/05/2006 - 01/09/2012
Occupation or position held	CNC Machinist and Programmer
Main activities	AutoCAD drawing, CNC programming and cutting
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	Direct measurement on field, fixture designer, autoCAD drawing
Employer	Emmedi srl, Arezzo, Italy
Type of business or sector	Manufacturing industry

Education and training

Dates	02/2019 - 04/04/2020
Title of qualification awarded	Short Specialisation Programme - Master I livello in cybersecurity
Principal subjects	Cryptography, access control, network security, ethical hacking, digital forensics, cyber intelligence, mobile and cloud security, legal aspects of cybersecurity, hardening, firewall management, risk monitoring.
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
Final grade	Ottimo (full marks)
ISCED/EQF level	7
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	Security engineering, network management, distributed programming for IoT, coding theory, computer forensics, quantitative analysis of systems, real-time and critical systems.
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	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

Personal skills and competences

Mother tongue **Italian**

Other language(s)

Self-assessment European level(*)

English

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
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. High expertise with many OT (i.e. TenableOT, Nozomi, KICS for Nodes/Networks, Siemens Step7, Proneta) and IT tools (i.e. Apache NiFi, ElasticSearch, Kibana, Maven, Github, virtualization tools, Docker). Good knowledge in the use of Kali Linux OS and various cyber intelligence and ethical hacking tools (among the best known: Metasploit, OpenVAS, Nessus, Legion, Maltego).

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

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)
Italy/EU: category A (electric 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

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