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	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"*. I attend the Short Specialisation Programme (Master I livello) in Cybersecurity at the Pisa University and I'm private tutor at Centro Didattico Matemagia in Florence. Before, I obtained the bachelor degree in computer science in 2015 with 110/110 cum laude.

Desired employment/ Occupational field

Cybersecurity, 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	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*

Technical skills and competences	Good technical skills, especially in cybersecurity, system's safety, computer science
Computer skills and competences	Very good computer skills, learned as self-taught and through the University. Very good knowledge in the use of various programming/markup languages (among the best known: Java, Python, C, Shell Scripting, Assembler, LaTeX, Matlab, R, XML). High expertise with many tools such as Apache NiFi, ElasticSearch, Kibana, Maven, Github, virtualization tools, Docker, test-framework. High skills in managing both software and hardware aspects.
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;

Prof. Andrea Bondavalli, University of Florence, Italy, andrea.bondavalli(AT)unifi.it;

Personal interests

Cybersecurity, Technology, Mathematics, Physics and Science in general. Books, Music and Entertainment. All kind of sports. Travelling around the world.

Signature:

For more informations go to https://it.linkedin.com/in/marco-buracchi-287074b2
© European Union, 2002-2016.