

Europass Curriculum Vitae

My LinkedIn profile



Personal information

Surname / First name

Address

Telephone

Personal Email

Nationality

Date of birth

Gender

Bio

Buracchi Marco

95, Via Pier Capponi, 50132, Firenze (FI), Italy

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Personal: ma.buracchi@gmail.com

PEC: marco.buracchi@postecert.it

Italian

19/12/1985

Male

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 an Information Technology Security Consultant at Florence Consulting Group in Sesto Fiorentino. 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

Title of qualification awarded

Principal subjects

Occupational skills covered

Name and type of organization
providing education and training

Dates

Title of qualification awarded

02/2019 - 03/2020 (expected)

Short Specialisation Programme - Master I livello in cybersecurity

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)

Expert in security analysis of applications and IT systems, expert in cyber attacks analysis

University of Pisa, Department of Information Engineering

CNR (Consiglio Nazionale delle Ricerche) - Institute of Informatics and Telematics

01/10/2015 - 12/10/2018

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	01/10/2019 - now
Occupation or position held	IT Security Consultant
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-school 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

Other language(s)

*Self-assessment
European level^(*)*

English

Italian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
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 IT security, 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

IT security, Technology, Mathematics, Physics and Science in general. Books, Music and Entertainment. 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:

