Europass
Curriculum Vitae

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Personal information

Surname / First name	**Buracchi Marco**
Address	95, Via Pier Capponi, 50132, Firenze (FI), Italy
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Personal Email	ma.buracchi@gmail.com
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 cybersecurity. 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"*. Before, I obtained the bachelor degree in computer science in 2015 with 110/110 cum laude. Before, I graduated from high school in 2004 at IPSIA Margaritone of Arezzo, a professional school for goldsmiths that I attended in parallel to four years of conservatoire (piano). I worked for eight years in the processing of raw materials (gold, silver, steel, wood, plexiglass and fabrics) with CNC machines such as laser cutting, wire EDM and machining center.

Desired employment/ Occupational field	**Cybersecurity, Software Development & Research**

Education and training

Dates	February 2019
Title of qualification awarded	First-level Professional Master's Programmes in cybersecurity
Principal subjects/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
Dates	12 October 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

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

Name and type of organization providing education and training	University of Florence, Faculty of Maths, Physics and Natural Sciences
Level in national or international 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 international classification	110/110 cum laude.

Work experience

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.
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	01/05/2008 - 01/09/2012
Occupation or position held	CNC Machinist and Programmer
Main activities and responsibilities	AutoCAD drawing, CNC programming and cutting (laser, machining center)
Name and address of employer	Gabry packing, Arezzo, Italy
Type of business or sector	Manufacturing industry
Dates	01/05/2006 - 01/05/2008
Occupation or position held	CNC Machinist and Programmer
Main activities and responsibilities	AutoCAD drawing, CNC programming and cutting (laser, machining center, wire EDM)
Name and address of employer	Nuova 230AR, Arezzo, Italy
Type of business or sector	Gold and jewellery 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 Maven, Github, virtualization tools, Docker, test-framework. High skills in managing both software and hardware aspects. |

| Artistic skills and competences | Reasonable level in the use of guitar and in singing. 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 information

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
Computers, 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)

Signature:

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