

FRANCESCO MURONI

Nationality: Italian

Date of birth: 26/11/1992

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EDUCATION

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| Sept.'14 – Dec.'16 | Politecnico di Torino
Master's Degree in Computer Engineering: 110/110 Cum Laude
Thesis: "Advanced techniques for the analysis of software vulnerabilities" |
| Sept.'11 – Sept.'14 | Politecnico di Torino
Bachelor's Degree in Computer Engineering: 110/110 Cum Laude |
| Sept.'6 – Sept.'11 | Liceo Scientifico "Leonardo Da Vinci" - Treviso
High School Diploma in 'Scientific Studies': 100/100 |

WORKING EXPERIENCE

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| Feb.'16 – June '16 | Laboratory Assistant (Object-Oriented Programming course) <ul style="list-style-type: none">• Assistance to the students while they solved the programming exercises for the course (Java, Eclipse)• Assistance during the exam sessions |
| Apr.'13 – Sept. '13 | Kiwi srl
Internship: <ul style="list-style-type: none">• Server-side Java development for a social network: Google AppEngine, Restlet, Git• Refactoring of image management• Agile methodology |

LANGUAGES

Italian: mother tongue

English: professional level. IELTS: 7.5/9 – Nov.'14

TECHNICAL SKILLS

- Programming languages: C, Java, Python, x86/x64 Assembly; basics of PHP, Javascript and SQL
- Android application development
- Networking: knowledge of TCP/IP, DNS, HTTP, SSL/TSL
- OS: Windows, Linux
- Reverse engineering of Windows and Linux 32/64-bit applications
- Fundamentals of malware analysis: static analysis (IDA), dynamic analysis (OllyDbg, Immunity Debugger), monitoring tools (ProcessExplorer, ProcessMonitor, Wireshark, ...)
- Exploit development: stack-based, heap-based (main topic of MSc. thesis)
- Basic knowledge of Penetration Testing techniques (SQL injection, XSS) and tools (Nmap, Metasploit)

INTERESTS

I test myself in the resolution of past *Capture The Flag* challenges from important events, such as DEFCON or OCTF. Moreover I follow the researches of many malware analysts, and perform some reverse engineering of recent malwares. I have studied classical guitar for ten years, taking conservatory exams regarding both the instrument and music theory. During university I have played football on weekly basis and I have taken part in the organization of the yearly tournament for the university dorm.