Alessio TRIVISONNO

System & Network Administrator | Security Specialist | Back-end Developer

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Nice, France

Born on 25/08/1995 at Campobasso (CB)

I am a Computer Science Master student at the EIT Digital Master School enrolled in the double degree Cybersecurity track. I attended the first year in the University of Trento with the specialization in *Security and Privacy* and I am now attending the second year at EURECOM in Nice where I am spacializing in *Mobile and Cloud Security*. I was captured since the beginning of my career by the field of System and Network Administration, and I cultivated this passion during my years of study. I graduated in Bologna in 2018 with a thesis on security of large networked systems. During the bachelor I volunteered in a student group called ADMStaff, where I deployed and maintained together with other students a small network of servers which offer Best Effort services to other CS students. I also developed and maintained web applications, mostly focusing on the Back-end layer. Between the bachelor and the master I did a specialization course on .NET programming and I worked for a few months as a System and Network administrator at NetService. There I provided consultancy about security posture of the company and deployed the company's Security Event Manager. During the year in Trento I attended both technical and business couses and became familiar with security issues but also with the concepts of Business Modelling and Customer Validation.

▤ COMPETENCES

Programming	C, C++, **Python**, **Bash**, C#, GO, Java, LaTeX, Javascript, CSS, HTML, git
Frameworks	Django, **Flask**, Angular, ELK, .NET, Metasploit
Database	MySQL, PostgreSQL, **Elasticsearch**, MongoDB, MSSQL
Linux Server Administration	LDAP, Apache, Nginx, Postfix, NFS, SNMP, **sFlow**, NetFlow, OpenVPN, OpenSSH, BIND, Systemd, **Docker**
Security	**Linux hardening**, Firewalls, SIEM, Metasploit, **Risk Assessment**, Vulnerability Assessment
Business	Innovation, Entrepreneurship, Customer Validation, **Business Modelling**

🎓 EDUCATION

Current	**MSc in Innovarion and Entrepreneurship**, EIT Digital Masterschool (double degree program)
Current	**MSc in Mobile and Cloud Security**, EURECOM, Nice, France
2019	**MSc in Security and Privacy**, University of Trento, Trento, Italy
2018	**BSc in Computer Science**, Alma Mater Studiorum Università di Bologna, grade 100/110 (B)
2013	**IELTS Academic**, Center of English Studies, Dublin, overall score 6.0

💼 WORKING EXPERIENCES

Jun 2018 – Aug 2018
IoT Developer, Network & System Administrator, NETSERVICE S.P.A., Bologna
Work as a System and Network Administrator in the ICT department.
> Security Information and Event Management planning and pilot deployment on docker containers
> Network administration on a complex corporate multihomed network
> IoT Developer in a small project with Raspberry Pi and sensors

`IoT` `Networks` `SIEM` `Docker` `Raspberry Pi` `Python` `vmware`

Feb 2018 – Oct 2017
DevOp | Internship, LABORATORI GUGLIELMO MARCONI, Sasso Marconi, Bologna
Development of a utility for the accounting of the Service Level Agreement on a ticketing system OTRS

`Linux` `Python` `MySQL` `OTRS`

Mar 2018 – Feb 2017
System Administrator, BIGEA DEPARTMENT, University of Bologna
Design, installation and maintenance of a networked storage system and cloud platform.

`Apache` `OwnCloud` `MySQL` `Redis` `LDAP` `Microsoft Active Directory` `GlusterFS` `Linux`

🎓 EDUCATIONAL EXPERIENCES

May 2018 – Jun 2018
.NET Development Course, OVERNET EDUCATION, Bologna, Italy
Technical course on .NET framework, C# and MSSQL databases

`MSSQL` `TSQL` `C#` `.NET` `Agile` `TDD` `git` `SQL Server Management Studio` `OO` `Entity Framework` `LINQ` `MVC` `WPF`

Sep 2017	Analysis of an Intrusion Detection System based on Packet Sampling, BSc DISSERTATION, University of Bologna
Mar 2018	Performance evaluation of a monitoring system which combines the sFlow sampling technology with the IDS Suricata.

Linux Networks sFlow NetFlow Elasticsearch Kibana C Python Bash

Sep 2016	System Administration, ADMSTAFF, University of Bologna
Mar 2018	Administration of a small network of servers offering BES services to other CS students. Hands-on experience regarding installation and maintenance of several Open Source software.

Linux Networking Postfix BIND DNS GitLab CE LDAP NFS 802.1x Radius
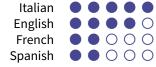
University Projects, ,
> Development of a kernel for the Kaya operating system, an Open Source project for the ARMv7 architecture.
> Development of a web platform for the paper revision in scientific conferences.
> Static Analysis of programs to detect and demonstrate exploitability of XSS attacks on static HTML pages.
> Development of a smart monitoring device aimed for office wellbeing. Marketing analysis and customer validation of the product.
> Study and experimentation with the security orchestrator The Hive, the threat information sharing platform MISP and the investigation and response tool Cortex.
> Study and Risk Assessment for an Unmanned Aerial Service Traffic Management (UTM) with the SE-CRAM framework

C Linux Kernel Python MongoDB Flask REST Angular Java Javascript Business The Hive Security Risk Assessment

💼 OTHER EXPERIENCES

> Private lessons of Computer Science
> Design and Installation of Surveillance Systems
> Design and maintenance of websites (HTML, Flash, Wordpress)

🌐 LANGUAGE SKILLS

Italian	●●●●●
English	●●●●○
French	●●○○○
Spanish	●●○○○

✚ PLUS

Furthermore during my academic career, especially during projects, I developed the following skills :

> Excellent Problem Solving attitudes
> Excelent relational skill
> Excellent team-work and Project Management attitudes
> Strong motivation and deadline observance

Others :

> Driving license
> Openness for travel experiences, both working and academic

Other Interests

MAKING	DIY Projects for Home Automation e Surveillance
OTHER	Guitar, Photography, Travel

💬 LINKS

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