

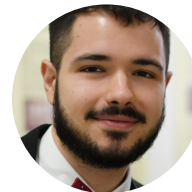
Alessio TRIVISONNO

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

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



I am a Computer Science undergraduate at the University of Bologna. Captured since the beginning of my career by the field of System Administration, I cultivated this passion during these years of study. I volunteered in a student group called ADMStaff, where I administrated 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. At last, during the last year of my BSc I found myself interested in the field of Network Security, which was the main topic of my dissertation.

COMPETENCES

Programming	C, C++, Python, Bash, C#, GO, Java, LaTeX, Javascript, CSS, HTML
Frameworks	Django, Flask, Angular, ELK, .NET, Metasploit
Database	MySQL, PostgreSQL, Elasticsearch, MongoDB, MSSQL
Development tools	IntelliJ Idea, Eclipse, git, vim
Operating Systems	Mac OS X, Windows Server, Windows (7, 8, 8.1, 10), GNU Linux (Debian, Arch, Ubuntu), Free BSD
Linux Server Administration	LDAP, Apache, Nginx, Postfix, NFS, SNMP, sFlow, NetFlow, OpenVPN, OpenSSH, BIND, Systemd, Docker
Others	Making (Raspberry Pi, Arduino), Electronics, Home Automation and Security

EDUCATION

Current	MSc in Cybersecurity, EIT Digital Academy, University of Trento, Trento, Italy
2018	BSc in Computer Science, Alma Mater Studiorum Università di Bologna, grade 100/110 (B)
2014	Degree of Scientific High School, Liceo Scientifico Statale A. Romita, Campobasso, grade 86/100
2013	IELTS Academic, Center of English Studies, Dublin, overall score 6.0

EDUCATIONAL EXPERIENCES

Jan 2016 Sep 2016	C Developer, OPERATING SYSTEMS PROJECT, University of Bologna Development of the kernel for the Kaya operating system, an Open Source project for the ARMv7 architecture. <ul style="list-style-type: none">> System Programming> Scheduler implementation> I/O Handler implementation <div>C System Programming</div>
Jan 2016 Sep 2016	Back-end and Front-end Developer, WEB TECHNOLOGIES PROJECT, University of Bologna Development of the web platform EasyRash for the paper revision in scientific conferences. <ul style="list-style-type: none">> Back-end development with the Python framework Flask> Development of MongoDB database schema and interface> Methods for secure authentication token based> Development of REST API> Front-end Angular Material development <div>Python MongoDB Flask REST Angular</div>
Sep 2016 Mar 2018	System Administration, ADMSTAFF, University of Bologna 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 like Mail Server Postfix, BIND DNS Server, GitLab CE, LDAP, NFS, 802.1x, Radius. <div>Linux Networking</div>

Sep 2017	Analysis of an Intrusion Detection System based on Packet Sampling, BSc DISSERTATION, University of Bologna
Mar 2018	<p>Performance evaluation of a monitoring system which uses the sFlow sampling technology and the IDS Suricata.</p> <ul style="list-style-type: none"> › Analysis of requirements and critic points › Design of the proposed solution › Development of a software suite for testing and simulation (in C, Bash, Python) › Extensive testing of the System › Elasticsearch database design and feeding › Analysis of testing results with the software Kibana and statistical evaluation <div>Linux Networks sFlow NetFlow Elasticsearch Kibana C Python Bash</div>
May 2018	.NET Development Course, OVERNET EDUCATION, Bologna, Italy
Jun 2018	<p>Technical course on .NET framework, C# and MSSQL databases</p> <ul style="list-style-type: none"> › MSSQL : TSQL, ER diagrams, schemas, tables, index, security and SQL Server Management Studio › C# & .NET : OO Programming, Entity Framework, LINQ, ASP.NET MVC, MVVM, WPF › Extras : Agile, Integration Test, Unit Test, TDD <div>MSSQL TSQL C# .NET Agile git</div>

WORKING EXPERIENCES

Mar 2018	System Administrator, BIGEA DEPARTMENT, University of Bologna
Feb 2017	<ul style="list-style-type: none"> › Design and Installation of a networked storage system › Maintenance of Linux Servers › Installation and support on GIS software <div>Apache OwnCloud MySQL Redis LDAP Microsoft Active Directory GlusterFS Linux</div>
Feb 2018	DevOp Internship, LABORATORI GUGLIELMO MARCONI, Sasso Marconi, Bologna
Oct 2017	<p>Development of a Python program for the accounting of the Service Level Agreement on a ticketing system OTRS</p> <ul style="list-style-type: none"> › Integration and reverse engineering of the MySQL database of OTRS › Development of a Python library for the fine tuning of time accounting for tickets › Documentation and Installation in production <div>Linux Python MySQL OTRS</div>
Jun 2018	IoT Developer, Network & System Administrator, NETSERVICE S.P.A., Bologna
Aug 2018	<p>Work as a System and Network Administrator in the ICT.</p> <ul style="list-style-type: none"> › 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 <div>IoT Networks SIEM Docker Raspberry Pi Python vmware</div>

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 ●●●●●○

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

- › Excellent Problem Solving attitudes
- › Good relational skill
- › Excellent team-work and Project Management attitudes
- › Strong passion for all the ICT field
- › Strong motivation and deadline observance

Others :

- › Driving license
- › Openness for travel experiences, both working and academic

Other Interests

PENETRATION TESTING : Metasploit, Kali Linux
MAKING DIY Projects for Home Automation e Surveillance

LINKS

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