Alessio TRIVISONNO
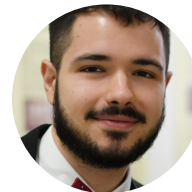## System & Network Administrator | Security Expert | Back-end Developer

in linkedin.com/in/alessio-trivisonno-945023141   📱 +39 338 536 5528   @ alessio.trivisonno@gmail.com
📍 Via Giuseppe Bentivogli, 109/2, 40138, Bologna (BO) , Italy
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**, GO, Java, LaTeX, Javascript, CSS, HTML
Frameworks	Django, **Flask**, Angular, ELK
Database	**MySQL**, PostgreSQL, **Elasticsearch**, MongoDB
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
Others	Making (Raspberry Pi, Arduino, OrangePi), Electronics, Home Automation and Security

🎓 EDUCATION

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.

- › System Programming
- › Scheduler implementation
- › I/O Handler implementation

`C` `System Programming`

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.

- › 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

`Python` `MongoDB` `Flask` `REST` `Angular`

Sep 2016 – Mar 2018 — System Administration, ADMSTAFF, University of Bologna

Administration of a small network of servers offering BES services to other CS students. Installation and maintenance :

- › Mail Server Postfix
- › BIND DNS Server
- › GitLab CE
- › LDAP
- › NFS
- › 802.1x
- › Radius

`Linux` `Networking` `Cisco` `HP` `Administration`

Sep 2017 Mar 2018	Analysis of an Intrusion Detection System based on Packet Sampling, BSc DISSERTATION, University of Bologna Performance evaluation of a monitoring system which uses the sFlow sampling technology and the IDS Suricata. › 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 Linux Networks sFlow NetFlow Elasticsearch Kibana C Python Bash

💼 WORKING EXPERIENCES

Mar 2018 Feb 2017	System Administrator, BIGEA DEPARTMENT, University of Bologna › Design and Installation of a networked storage system › Maintenance of Linux Servers › Installation and support on GIS software Apache OwnCloud MySQL Redis LDAP Microsoft Active Directory GlusterFS Linux
Feb 2018 Oct 2017	DevOp | Internship, LABORATORI GUGLIELMO MARCONI, Sasso Marconi, Bologna Development of a Python program for the accounting of the Service Level Agreement on a ticketing system OTRS › 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 Linux Python MySQL OTRS

💼 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 ● ● ● ● ○

➕ PLUS

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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