

Filippo Visconti

www.filippovisconti.com

www.linkedin.com/in/filippo-visconti/

Email : filippo@filippovisconti.com

Mobile : +39 346 491 5591

EXPERIENCE

Bytewise Ltd.

Rome (Italy)

System Engineering Intern

Mar 2022 – June 2022

- Designed and installed a **cyber defense system** for a small business, including assembling the hardware.
- Installed and configured **servers**, for services like firewall, proxy, reverse proxy, DNS, DHCP, VPN, IDS, IPS.
- Managed hypervisors (**Proxmox VE** and **ESXi**), deployed virtual machines and **LXC** and **Docker containers**, partially using Ansible
- Installed and **managed** Mikrotik and Ubiquiti **routers and switches**, configured VLANs, site-to-site WireGuard VPNs.
- Worked on **RHEL** and Debian-based distributions.
- Performed **basic penetration testing** using nmap, Metasploit, OpenVAS, dirbuster, and others.

EDUCATION

Eidgenössische Technische Hochschule Zürich

Zürich (Switzerland)

Master of Science in Computer Science

Sept. 2022 – exp. Aug. 2024

- Major in **Secure and Reliable Systems** - Minor in **Networking**
- Developed a tiny **ACME client** in Python, implementing JOSE cryptography from scratch.
- Implemented an optimized algorithm for worst-case joins in SQL databases in C, with a final speedup of 20%.
- Designed and developed a fuzzing tool for Ansible modules using Python and Docker containers.

Università degli Studi Roma TRE

Rome (Italy)

Bachelor of Science in Computer Engineering

Sept. 2019 – July 2022

- Graduated with **110/110 cum Laude**
- Final thesis: "*Realization of a cyber defense system: analysis of VPN solutions.*" under the supervision of Prof. Maurizio Patrignani

Pugwash District High School

Pugwash (Canada)

Canadian High School Diploma

Sept. 2017 – Jun. 2018

- Graduated with Honors.

PERSONAL PROJECTS

FillYourTeam!

Rome (Italy)

Public repository available [here](#)

Oct. 2021 - June 2022

- Developed a multi-platform app using Xamarin framework and MVVM architecture.
- Mentored and collaborated with 2 team members.

Programming Languages

Details

- C: POSIX syscalls, threads and processes management, affinity sets, parallel programming, SIMD instructions
- Java, C#, Python: polymorphism, inheritance, overloading
- Others: OCaml, Go, HTML, CSS, PostgreSQL

OTHER EXPERIENCES

ConfNow!

Rome (Italy)

ICT Staff

Sept. 2021 – Present

- Created and edited Wordpress sites.

Università degli Studi Roma TRE

Rome (Italy)

ICT Support and Management

Mar 2021 – June 2022

- Managed accounts and software licenses.
- Provided support through a technical helpdesk.

LANGUAGES, SKILLS AND INTERESTS

Languages: Italian: mother tongue. English: excellent (C2). Spanish: fair.

Hobbies: music production, sailing.