

Denny Verduchi

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I have completed my studies in the Computer Science degree program at the University of Florence. During my time there, I undertook an internal internship that allowed me to deepen my knowledge in topics such as autonomous driving, object detection, and deep learning. I also gained significant expertise in Python programming and various Linux distributions. Later, I developed a strong interest in the field of cybersecurity, attending courses on Security Analyst and Penetration Testing, where I worked with tools specifically designed for Vulnerability Assessment (VA) and Penetration Testing (PT) activities.

Education

01/2024 – 01/2025

OSEP Student

After acquiring the basics through various advanced courses and a good amount of personal study, I dedicated myself to preparing for the OSEP certification exam at Offensive Security (<https://www.offsec.com/>).

05/2021 – 11/2021

ADVANCED COURSES IN SECURITY ANALYST AND PENETRATION TESTER

Cyber Academy, University of Modena and Reggio Emilia

For the Security Analyst course (<https://cyber.unimore.it/corsi/corso-di-perfezionamento-security-analyst/>):

- Networks and Security
- Vulnerabilities and Attacks
- Monitoring Tools

For the Penetration Tester course (<https://cyber.unimore.it/corsi/penetration-tester/>):

- VA/PT Activity Management
- VA/PT Tools and Methodologies
- VA/PT Reporting

09/2015 – 12/2020

BACHELOR'S DEGREE IN COMPUTER SCIENCE (<https://www.informatica.unifi.it/>)

University of Florence

Key subjects studied and skills acquired:

- Mathematical and logical-deductive knowledge to propose precise and correct solutions and implement them in a programming language.
- Engineering knowledge that allows modeling the problem, structuring the solution, and developing it with techniques ensuring maintainability.
- Interdisciplinary knowledge to develop tools for various sectors of society.
- Ethical knowledge to understand the security, confidentiality, and legality issues arising from the development of such tools.

Languages

Native language: **ITALIAN**

Other languages: **ENGLISH** (fluent)

Work Experience

07/2022 – 09/2023 – Florence, Italy

SOFTWARE ENGINEER – ECODRONE S.R.L.

I was involved in developing and updating various software and hardware solutions. I developed a web application (JavaScript), based on Mapbox APIs, which allows the team to create, modify, and analyze drone missions in real-time. I worked on the development of the bidirectional remote communication system between the client and drone (supported by a custom server as an intermediary), interacting in real-time with the microcontroller (Teensy4.0) that collects navigation and mission data, and communicates with all the drone's sensors. This allowed for remote control and real-time mission analysis. I managed the data collection process from the drones into a MySQL database, enabling filtered and relevant data presentation in a dedicated service on the web application. I also developed specific software (C++) to interact with certain drone sensors and display their output on interfaces created using Qt libraries. Additionally, I worked on software development for the robotic arm module on the drone, used for water analysis with an onboard colorimetric photometer. Lastly, I wrote Ash shell scripts for RutOS (Linux-based OpenWrt OS) to create and customize communication routines between the base router and company servers.

01/2022 – 06/2022 – Padua, Italy

FULL STACK DEVELOPER – CORVALLIS S.R.L.

As an external collaborator, I contributed to the development of applications and the migration of code from a proprietary framework to Spring Boot, for the client BCC RP (Savings and Pension). Specifically, I worked on web platforms for employee use, for monitoring and managing client investment and savings assets, and personal data. My work involved both backend development (Java) for data processing and frontend development using the Angular framework for distributing and managing processed information. I directly interacted with persistent data in Oracle databases using Hibernate tools provided by Spring Boot, creating scripts for data management and queries.

2019 – 2021 – Florence, Italy

SOFTWARE AND WEB DEVELOPER

I collaborated on several minor projects as a programmer, developing tools for proprietary code and creating third-party software. The main programming languages I used during this experience were Java, Python, and C. I also had the opportunity to develop websites for private clients and small businesses, writing HTML and CSS code for the site or using WordPress for some projects.

09/2013 – 07/2016 – Florence, Italy

CRM OPERATOR – OFFICE RECEPTIONIST – ACF FIORENTINA S.P.A.

In the first year at the company, I managed customer relations using Cisco CRM software from an external office. In the following two years, I was transferred to the main office, where I handled client appointments and hosted guests during sporting events.

Volunteer Work

01/2012 – 01/2013

BLS-D RESCUER – FRATELLANZA MILITARE FIRENZE

I decided to dedicate myself to this activity before completing my high school diploma. Being in contact with people who dedicate their energy to helping others allowed me to work on my cynicism and grow significantly. My ability to remain calm in critical situations proved to be a valuable asset during times of high stress.

I authorize the processing of my personal data included in this CV for recruitment purposes, in compliance with applicable data protection laws, including but not limited to the General Data Protection Regulation (GDPR) (EU) 2016/679, the California Consumer Privacy Act (CCPA), and other relevant regulations.

Florence, 12/01/2025