

# Andrea Maffiotto

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## EDUCATION

### I.I.S. G. Vallauri

Fossano, Italy

*Technical High School – Computer Science & Telecommunications*

*Expected graduation: 2028*

- Participated in the International Championship of Mathematical and Logical Games organized by Bocconi University in 2024, 2025, and 2026.
- Participated in the Italian Olympiad in Informatics (OII) and OliCyber.IT – Italian Olympiads in Cybersecurity in 2026.

### CS50's Introduction to Cybersecurity

Online

*CS50 OpenCourseWare, Harvard University*

*Aug. 2026 – Present*

- Five-week course covering account, data, system, and software security, including a final cybersecurity project.

## EXPERIENCE

### Freelance Software Developer

May 2026 – Present

*Self-employed*

*Bra, Italy*

- Prototyped a real-time computer vision system using Python and Ultralytics YOLO to detect and track go-karts from live video feeds.
- Prototyped a cross-platform order management application for iOS and Android using Kotlin Multiplatform, integrating a Go backend to process restaurant and bar orders and route print jobs to dedicated printers.
- Delivered responsive websites and custom software for local businesses, covering frontend and backend development, deployment, and ongoing maintenance.

### IT and Web Development Intern

Jul. 2026

*ASCOM Bra Servizi*

*Bra, Italy*

- Investigated a real-world malware sample by analyzing its probable origin, entry vector, behavior, and objectives.
- Contributed to Vista senza limiti, an accessibility project combining sensor data with real-time mapping of accessible parking spaces, nearby businesses, and essential services.
- Assessed physical and digital accessibility for local businesses through interviews and WCAG AA reviews, identifying practical improvement opportunities.

### OT Cybersecurity Intern

Jul. 2025 – Aug. 2025

*Ferrero*

*Senningerberg, Luxembourg*

- Used Claroty for OT asset management and threat detection, improving visibility into devices and activity across industrial environments.
- Contributed to S.A.R.A. (Secure Automated Remote Access), supporting secure and controlled remote connectivity for industrial machinery.
- Analyzed industrial network topologies and ICS/OT communication protocols to support asset visibility and secure remote access.
- Earned a formal letter of recommendation from Ferrero's OT Cybersecurity Manager.

## SELECTED PROJECT

Other projects: [Portfolio](#) | [GitHub](#)

### Home Server | Ubuntu Server, Docker, Portainer, Networking

Feb. 2026 – Present

- Consolidated 8+ self-hosted services on Ubuntu Server by containerizing workloads with Docker and managing deployments through Portainer.
- Deployed media streaming, file sharing, game server, and local AI services using Plex, Navidrome, Samba, Crafty, and Open WebUI with Ollama.
- Configured secure remote access to self-hosted services and SSH over Tailscale, enabling administration from external networks without exposing ports publicly.

## SKILLS, CERTIFICATES & LANGUAGES

**Proficient:** Python, C, C#, JavaScript, HTML/CSS, SQL, Bootstrap, ASP.NET, .NET

**Project Exposure:** Kotlin Multiplatform, Go, TypeScript, Ultralytics YOLO, Supabase

**Systems & Platforms:** Linux, Docker, Portainer, Git/GitHub, Cloudflare, Active Directory, Networking

**Certificates:** Industrial Cybersecurity – Edureka; Google AI Essentials – Google; [Advanced Git and GitHub](#) – Packt

**Languages:** Italian (native), English (C1), French (A2), Spanish (A1)