

Christian Coduri

Turin, Italy

coduric



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https://coduri.cc/



Employment History

Nov 2023 – May 2024



External Collaborator, PWNX s.r.l., Remote

- Designed and implemented ten cryptography laboratories in *Python*, employing a "Capture the Flag" approach to enhance learning experiences.
- Developed more than thirty personalized one-on-one modules focused on Linux Security and Cryptography Theory for individualized learning.

Jul 2019 – Sep 2019



Waiter, Ristorante La Baia, Crema (CO).

May 2019 – Jun 2019



Intern, SECAM spa, Sondrio (SO).

Education

2023 – now



M.Sc. Computer Engineering: Cybersecurity, Turin Polytechnic University.

- **Specialist track:** *Cryptography expert*.
- **STart STEM scholarship** (2023/2024) by the Unione Industriali Torino. Selected as one of the top 64 first-year master's students in STEM disciplines at Polytechnic University and University of Turin.

2020 – 2023



B.Sc. Computer Systems and Networks Security, University of Milan.

- **Thesis title:** *Advanced Techniques of Visual Cryptography and Steganography for Sharing of Medical Images*.
- **Awarded:** *110 cum laude*.

2015 – 2020



High School Diploma in Computer Science, ITIS E. Mattei (Sondrio).

- Graduated with a score of *96/100*.

Training Courses

Feb 2023 – May 2023



CyberChallenge - Cybersec Training Program, Cybersecurity National Lab.

Chosen as one of the top 20 students from the University of Milan to participate in the 2023 edition. Gained proficiency in utilizing various tools to identify and exploit vulnerabilities. Attended lessons about *Hardware Security*, *Cryptography*, *Web Security*, *Network Security*, and *Software Security*.

Language Certifications

Jan 2024



English: IELTS Academic Exam, Overall Band Score: 7.5 / 9
CEFR Level: C1.

Additional Courses

Apr 2023



Blender Bite Sized Course: Low Poly Landscapes, GameDev.tv.

Nov 2022



International Cyber Conflicts, The State University of New York (*Remote*).
Developed Skills: *Understanding of international cybersecurity policies, psychology, and sociopolitical factors that characterize attacks and attackers*.



Feb 2021





Apple iOS & Swift Development, Udemy Course.

Projects



Personal Projects

- 2020 – now  **Get The Cookie.** A YouTube Channel with the goal of helping university and high school students understand computer science concepts (*in italian*). Achieved a total watch time of over 50,000 hours, demonstrating the project's significant impact and engagement. <https://www.youtube.com/GetTheCookie>.
- 2020 – 2021  **FitFocus.** An online fitness platform was developed, enabling users to manage their nutrition, track progress, and organize workout plans. Additionally, the platform provided trainers with the capability to oversee their clients' preparations by offering feedback, exchanging messages, and providing advice. Initially built on a *LAMP stack*, the project later transitioned its backend to *NodeJS* to achieve enhanced functionality and performance.

University Projects

- Dec 2023 – Feb 2024  **Embedded OS Customization.** Explored the complexities of embedded systems and developed a FreeRTOS Lottery Scheduler for Arm Cortex-M3 on QEMU, enhancing scheduling capabilities beyond default implementations.
-  **DDoS Attacks Detection with Machine Learning.** Analyzing a dataset for benign and DDoS attacks, involving data exploration, supervised and unsupervised learning, and cluster explainability analysis.

Speeches and Conferences

- 2 Dec 2023  **Molecon 2023**, Attendee
- 17 May 2022  **Cybersecurity Introduction**, Speaker
Delivered a comprehensive introduction to cybersecurity at *ISIS Gino Luzzatto (VE)*, emphasizing key concepts and promoting awareness about online security.