

Christian Coduri

Turin, Italy

coduric



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coduri



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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



IT Intern, SECAM s.p.a., Sondrio (SO).

Education

2023 – now



M.Sc. Cybersecurity Engineering, Polytechnic University of Turin.

- **Specialist track:** *Cryptography expert*.

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*.

Language Certifications

Jan 2024



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

Additional Courses

Oct 2024 – Jan 2025



Connected and Automated Vehicles, Challenge@PoliTO by Stellantis.

Collaborated in a multidisciplinary team to explore challenges related to future Autonomous Vehicles and V2X technology. My role focused on identifying potential cybersecurity vulnerabilities and exploring theoretical solutions to ensure data integrity, privacy, and secure communication.

Feb 2023 – May 2023



CyberChallenge - Cybersec Training Program, Cybersecurity National Lab.

Chosen as one of the 20 selected students from the University of Milan to participate in the 2023 edition of the first cybersecurity training program for university and high school students in Italy.

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.*

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 55,000 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  **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.
-  **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.

Awards

- Mar 2023  **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 Politecnico University and University of Turin.
 - Completed 40 hours of *academic support* in math for students at lower secondary schools.

Professional Development and Activities

- Jun 2024 – now  **De Componendis Cifris APS**, Young Member
- 19 Oct 2024  **No Hat 2024 - Bergamo (Italy)**, Attendee
- 13-17 Sep 2024  **MOCA Hacker Camp 2024 - Pineto (Italy)**, Participant
- 2 Dec 2023  **Molecon 2023 - Turin (Italy)**, Attendee
- 17 May 2022  **Cybersecurity Introduction - Portogruaro (Italy)**, Remote Speaker
Gave an introductory talk on cybersecurity at *ISIS Gino Luzzatto (VE)*, focusing on key concepts and online security awareness.