

# Christian Coduri

Turin, Italy

coduric



[REDACTED]



coduri



coduri4@gmail.com



https://coduri.cc/



## Employment History

Nov 2023 – Apr 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 personalized one-on-one modules dedicated to exploring the fundamentals of cryptography theory.

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 64 first-year STEM master students at the Polytechnic University and the University of Turin who received the scholarship.

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.

- 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



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

Nov 2022



**International Cyber Conflicts**, The State University of New York.

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

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### 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 40,000 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

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- 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.