



Edoardo Liberati

EDUCATION AND TRAINING

[01/11/2023 – Current]

PhD in Engineering in Computer Science

Sapienza Università di Roma uniroma1.it

Address: Via Ariosto 25, 00185, Roma, Italy |

[20/12/2019 – 21/07/2023]

Master's degree in Engineering in Computer Science

Sapienza Università di Roma uniroma1.it

Address: Piazzale Aldo Moro 5, 00185, Rome, Italy | |

Final grade: 110/110 Cum Laude | **Thesis:** Efficient, Reusable and High Error Tolerant Fuzzy Extractor for Physical Unclonable Functions

[06/03/2020 – 30/05/2020]

Participation certificate

CyberChallenge.IT cyberchallenge.it

Address: 00100, Rome, Italy |

[23/09/2016 – 16/12/2019]

Bachelor's degree in Ingegneria Informatica e Automatica

Sapienza Università di Roma uniroma1.it

Address: Piazzale Aldo Moro 5, 00185, Rome, Italy | | **Final grade:** 105/110 | **Thesis:** Implementazione di code di messaggi su stub di sistema operativo

[12/09/2011 – 06/07/2016]

Diploma di Liceo Scientifico

Liceo Scientifico Morgagni liceomorgagni.edu.it

Address: Via Fonteiana 125, 00152, Rome, Italy | | **Final grade:** 88/100

WORK EXPERIENCE

[09/10/2023 – 14/03/2024]

Teaching Assistant

Sapienza Università di Roma

Address: Via Tiburtina 205, 00185, Roma, Italy

Teaching assistant for Laboratorio di Informatica - 1o anno BCLR course belonging to Ingegneria Clinica - Ingegneria Civile ed Industriale bachelor program.

[08/07/2022 – 31/01/2023]

Teaching Assistant

Sapienza Università di Roma

Address: Via Tiburtina 205, 00185, Roma, Italy

Teaching assistant for Fondamenti di Programmazione course belonging to Informatica bachelor program and for Programming course belonging to Applied Computer Science and Artificial Intelligence bachelor program.

[01/03/2019 – 01/07/2019]

Application developer

Syrus Industry

Address: Via del Fontanile Anagnino 173, 00118, Roma, Italy

Developer for a call blocking application.

[04/09/2017 – 04/09/2017]

Student admissions coordinator

Università degli Studi di Roma "Foro Italico"

Supervisor to the entry test for Scienze Motorie bachelor program.

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

DIGITAL SKILLS

My Digital Skills

Microsoft Office | Google Firebase

Programming skills (languages)

C | Python | x86-64 Assembly | Java | Scala | JavaScript | SQL | PHP | Ruby

Programming skills

Linux | MacOS | E-R Model | Linux Kernel | Windows | Reverse Engineering | Malware Analysis | XML | Git | CSS | Relational and Non-Relational Databases | HTML | Operating Systems | JSON | Object-Oriented Programming | JQuery

COMMUNICATION AND INTERPERSONAL SKILLS

Team work

Availability

DRIVING LICENCE

Cars: B

PUBLICATIONS

[2024]

X-Lock: A Secure XOR-Based Fuzzy Extractor for Resource Constrained Devices

Reference: Edoardo Liberati et al., ACNS 2024, Springer, 183-210.

CONFERENCES & SEMINARS

[16/05/2024 – 16/05/2024]

Physical Unclonble Functions Via Ariosto 25, Rome, Italy

Seminar on Physical Unclonable Functions for Advanced Information System Security and Blockchain 2023/2024 course in the Master degree in Engineering in Compute Science at Sapienza Università di Roma.

[08/04/2024 – 12/04/2024]

ITASEC24 - Italian Conference on Cybersecurity Salerno, Italy

Speaker presenting "X-Lock: A Secure XOR-Based Fuzzy Extractor for Resource Constrained Devices".

[04/03/2024 – 08/03/2024]

ACNS 2024: 22nd International Conference on Applied Cryptography and Network Security

Abu Dhabi, United Arab Emirates

Speaker presenting "X-Lock: A Secure XOR-Based Fuzzy Extractor for Resource Constrained Devices".

HONOURS AND AWARDS

[29/04/2024]

Premio Camil Demtrescu 2024 Awarding institution: Sapienza Università di Roma

The "Premio di studio in ricordo di Camil Demetrescu" is aimed at Master's graduates from the I3S Faculty - Information Engineering, Computer Science, and Statistics - of

Sapienza Università di Roma for the best thesis in the fields of cybersecurity and cryptography. The goal is to encourage, recognize, and support scientific research by young scholars.

[27/09/2024] **Una tesi per la Sicurezza Nazionale Awarding institution:** Presidenza del Consiglio dei Ministri – Dipartimento delle informazioni per la sicurezza
The best master's theses related to the various fields of intelligence and national security.

Il sottoscritto dichiara di essere consapevole che il presente curriculum vitae sarà pubblicato sul sito istituzionale dell'Ateneo, nella Sezione "Amministrazione trasparente", nelle modalità e per la durata prevista dal d.lgs. n. 33/2013, art. 15.

11/12/1997