Matteo Leonelli

Cybersecurity Researcher

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🎓 Education

CISPA Helmholtz Center for Information Security — Saarbrücken, DE
PhD Candidate — *Mar.2024 – Present*

Saarland University — Saarbrücken, DE
Master in Cybersecurity — *Oct.2021 – Feb.2024*

Trento University — Trento, IT
Bachelor in Computer Science — *Sep.2018 – Sept.2021*

Technological Institute "G. Marconi" — Rovereto, IT
Diploma in Computer Science and Telecommunications — *Sept.2013 – July.2018*

🌐 Experience

CISPA Helmholtz Center for Information Security — Saarbrücken, DE
PhD Candidate — *01.03.2024 – Present*
> NDSS'25 paper: TWINFUZZ: Differential Testing of Video Hardware Acceleration Stacks
> Intel CVE-2024-23919
> Organizing Fuzzing Competition for SBFT 2025

Master Thesis — *01.03.2023 – 01.02.2024*
> Research on Hardware Fuzzing in collaboration with Intel

Research Assistant — *01.04.2022 – 31.03.2024*
> Research on Fuzzing in System Security Lab

Fondazione Bruno Kessler — Trento, IT
Bachloar Thesis — *27.04.2021 – 30.09.2021*
> CODASPY'21 paper: Secure Pull Printing with QR Codes and National eID Cards: A Software-oriented Design and an Open-source Implementation

Junior Reseacher — *01.02.2019 – 31.12.2020*
> Research on Authentication Services and National ID Card with "Zecca dello Stato"

Software Developer Internship — *26.11.2018 – 31.01.2019*
> Mobile developer internship in Security&Trust lab

Java Developer Internship — *05.06.2017 – 07.07.2017*
> Java developer involved with data analysis and software development in Smart Community Lab

Matrix Tech — Trento, IT
Full Stack Developer — *10.12.2017 – 31.12.2020*
> Development of a web service to control gates and presence on embedded systems with Matrix

📢 Teaching

Saarland University — 01.11.2022–20.04.2024
> Teaching Assistant in Security class
> Teaching Assistant in System Security class
> Academic Tutor Assistant in Human Computer Interaction class

University of Trento — 01.09.2020 – 28.02.2021
> Teaching Assistant in C/C++ Programming class