LUCA **GIACOMETTI**

PHD STUDENT IN INFORMATION TECHNOLOGY

CONTACT

✉ luca.giacometti@polimi.it

📍 Milan, Italy

📅 28 years old

in https://www.linkedin.com/in/lucagiacometti/

https://github.com/lucajako

https://scholar.google.com/citations?user=FZVbtqkAAAAJ

SKILLS

Programming:

- C, Java, Python
- SQL
- P4, eBPF
- HTML, CSS, JS
- VHDL

OS:

- Windows (7,10,11)
- Linux (Ubuntu)

LANGUAGES

- Italian (Mothertongue)
- English (B2/C1)
- French (A1)

REFERENCE

Giacomo Verticale

Associate professor at Polimi
Email: giacomo.verticale@polimi.it

I authorize the treatment of my personal data according to the European Regulation no. 679/2016

PROFILE

I am a tenacious, decisive, and kindly person. I face every challenge on my way with initiative and a positive attitude, seeing the glass half full.

I enjoy working in the network security field as researcher, playing CTF, and I am fascinated by the world of cryptography.

I like to work out and currently I am practising a mixture of powerlifting, calisthenics and arm wrestling.

WORK EXPERIENCE

- **Politecnico di Milano** — JUNE 2023 - PRESENT
  Research Assistant
  - Design a network-layer authorization protocol for the European project "AI-SPRINT secure network" with no remarkable overhead.
  - Implement it within a Non-Intrusive Load Monitoring application, exploiting the concept of Trusted Execution Environment.
  - Contribute to the "ISP5G+ - Innovative Security Paradigms for beyond 5G" project by implementing an in-kernel feature extractor for a Network Intrusion Detection System

- **Studium srl** — JULY 2022 - APRIL 2024
  University tutor
  - Support university students in studying for their STEM exams at the head office of Cepu and eCampus set in Milan

EDUCATION

- **Politecnico di Milano** — MAY 2024 - PRESENT
  PhD in Information Technology
  Topic: Methodologies to Enhance Network Security in Edge Computing

- **Politecnico di Milano** — SEP 2020 - MAY 2023
  MSc in Computer Science and Engineering
  Thesis: Authorizing Access to Edge Resources using 5G Device Authentication

CERTIFICATION AND COURSES

- **Kreativstorm** — FEB 2024
  Hands-on Training Program
  - Developed a deep understanding of cybersecurity concepts, emphasizing the CIA triad.
  - Hands-on experience with Linux CLI tools (Nmap, Hydra) for proficiency in utilizing cybersecurity tools.
  - Applied industry trends, best practices, and techniques through custom Python scripts and Burp Suite strategies.
  - Conducted penetration testing with a structured approach, including information gathering, vulnerability assessment, POC, and auditing.