



## CONTACT

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📞 (+39) XXXXXXXXXX

✉️ luca.giacometti@polimi.it

📍 Milan, Italy

📅 28 years old

LinkedIn: <https://www.linkedin.com/in/lucagiacometti/>

Github: <https://github.com/lucajako>

Google Scholar: <https://scholar.google.com/citations?user=FZVbtqkAAAAJ>

## SKILLS

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### Programming:

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

### OS:

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

## LANGUAGES

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- Italian (Mother tongue)
- English (B2/C1)
- French (A1)

## REFERENCE

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### 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

# LUCA GIACOMETTI

PHD STUDENT IN INFORMATION TECHNOLOGY

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## PROFILE

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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

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- **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

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- **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

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- **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.