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EDUCATION | **TECH**CAMP

COURSE PRESENTATION

Cybersecurity and Hacking

15-19 and 22-26 June 2026

TEACHER(S)

Stefano Zanero

Lorenzo Binosi

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Why?

- Because cybersecurity is a challenging and interesting field.

- ...and also fun!!!

- It's a cross-cutting issue that applies to all IT systems (banks, robots, and many others).

- It's one of the most sought-after sectors in the ICT world.

What do we learn?

- What is cybersecurity and what is hacking.
  Why they are becoming increasingly important.

- Cybersecurity competitions: CTFs.

- A brief introduction to programming in Python.

- Vulnerabilities in web applications.

- How cryptography works and the issues with historical ciphers.

How?

Each lesson, generally brief, will be followed by a practical session where students will tackle challenges (with our help if needed) in which they will attempt to hack "toy" examples.

Instructors

Francesco Panebianco

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