



# Cristian Di Iorio

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Nationality: Italian

## EDUCATION AND TRAINING

[ 17/09/2024 – Current ]

### Master's Degree in Computer Science

*Sapienza Università di Roma*

City: Rome | Country: Italy | | Level in EQF: EQF level 7

[ 27/09/2021 – 19/12/2024 ]

### Bachelor's Degree in Computer Engineering

*Sapienza Università di Roma*

City: Rome | Country: Italy | | Level in EQF: EQF level 6

### Counter Surveillance Technical Master International Certification

*CSTMIC* <https://www.cstmic.com/>

## LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

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

## PROJECTS

### Arduino Current Meter

Developed a C interrupt-driven program to interface with a Dockerized receiver, enabling real-time data acquisition from a Hall-effect current sensor connected to an Arduino board.

### Keystroke Dynamics Recognition

Implemented user authentication through keystroke dynamics using Mahalanobis Distance, Gaussian Mixture Model, and the Gunetti-Picardi method. Developed and optimized models for pattern analysis and anomaly detection.

### Google Drive clone

Designed and implemented a Google Drive clone using Ruby on Rails, featuring file storage, sharing capabilities, and user authentication using Google OAuth.

### Risk online game

Developed an online multiplayer game inspired by Risk, utilizing React for the front-end and Python Flask for the back-end, with real-time gameplay and strategic features.

## HOBBIES AND INTERESTS

Homelabbing and Selfhosting