Roberto D'Isanto

Computer Engineer

Registered with the Order of Engineers of the Province of Naples since 2022

Cybersecurity · Training · Development

Pozzuoli (NA), Italy
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PROFILE

Self-employed computer engineer: cybersecurity, software development and IoT/cloud systems; I also teach. PhD candidate at Federico II.

SKILLS

LANGUAGES

Python · Swift · C# · Bash

SECURITY

Pentesting · Network security · Reverse engineering · Fuzzing · Firmware analysis · IoT security · Mobile security · SDR

SYSTEMS & NETWORKS

Linux sysadmin · Virtualization · Docker & containers · Cloud (AWS) · Cisco networking · CI/CD · Git

IOT & EMBEDDED

IoT · Embedded firmware · LoRa · DJI drones · Unity (AR/VR)

LANGUAGES

Italian — native

English — professional working proficiency

CERTIFICATIONS

- Cisco CCENT
- Palo Alto Networks PCCET
- Microsoft MOS & MTA (×11)
- Apple Teacher — Swift Playgrounds
- EASA drone licences A1/A3 · A2

EXPERIENCE

NRRP Expert 2026 – present

Regione Campania · Naples, IT

Specialist technical support, including AI pipelines and process automation.

Freelance Computer Engineer 2015 – present

Consulting, software development and technical training · Pozzuoli / Naples, IT

PRIVATE SECTOR

- **Galileo Engineering** (2026) — IoT and security consulting on Nordic chips.
- **Gematica** (2022 – 2023) — DJI Cloud API on a DJI Matrice 30T drone.
- **SecSi** — Android reverse engineering (AOSP Binder analysis).

PUBLIC SECTOR

- **Municipality of Pozzuoli** (2023) — IT expert report on certified-email notifications.
- **Federico II, DISMET** (2022) — backend of the "e-PediatricChronic Care" iOS app.

TEACHING

Mentor — Cyber HackAdemy 2020 – 2025

University of Naples Federico II — in partnership with Accenture · Naples, IT

Teaching and tutoring across four editions (2020/21 – 2024/25), with Challenge-Based Learning: network, software and IoT security, reverse engineering, fuzzing and SDR.

OTHER TEACHING **ITS Academy "ICT Campus"** (2026) · **Suor Orsola Benincasa** (2026) · **Leonardo Skills and Training** (2024 – 2025) · **Sistemi Formativi Confindustria** (2025) · **IFTS** (2024) · **High schools** (2024 – 2025) · **Italian Air Force** (2020 – 2022).

EDUCATION

PhD in Information Technology and Electrical Engineering 2023 – present

University of Naples Federico II — 39th cycle · Naples, IT

- EU project AKADIMOS (article in Array, 2026) and the DIETI SCADA testbed.

MSc in Computer Engineering 2021

University of Naples Federico II · Naples, IT

Thesis: *A study of the Android Keystore through Reverse Engineering*.

BSc in Computer Engineering 2017

University of Naples Federico II · Naples, IT

Cisco Digital Ready Networking Bootcamp 2019

DTLab, Federico II · CCENT certification · Naples, IT

iOS Developer Academy 2017

Apple Developer Academy · Naples, IT

PROJECTS & OPEN SOURCE

- Open-source contributions: **iNav** (UAV navigation), **Meshtastic** (LoRa mesh networks), **MSRC** (RC telemetry), **PicaSim** (iOS port) and others.
- **Hackathons** — winning projects at HackRome 2026 and HackNight@Museum 2019.