TECHNICAL SKILLS

Cybersecurity

- DFIR: Memory forensics (**RAM acquisition**, Volatility, **rootkit detection**), disk imaging & file carving, IOC analysis & log correlation, timeline building, malware persistence analysis, network forensics (PCAP, Zeek, Wireshark)
- Tools: John, Hashcat, LiME, Guymager, **Wazuh**, Wireshark, dd, Plaso, EnCase, HxD, (...)

Electronics

- Circuit Design, Simulation with **Proteus**, Microsolding in **Arduino** and ESP32 PCB.

Programming Languages and Others

- **Python**, **Bash**, C++, Arduino. Basic Java.
- Linux, Windows, Docker, Vbox, Qemu

RELEVANT EXPERIENCE AND PROJECTS

Cybersecurity & DFIR – Personal Projects – 2023 – present

- **Laboratories** implementation for acquisition of digital evidence following chain of custody.
- Use of forensic tools: **Autopsy**, FTK Imager, **Wireshark**, **Volatility, Guymager,** Sleuth Kit, **Bulk Extractor,** Photorec**,** Exiftool**.**
- Preparation of professional forensic reports applying **LOPDGDD** and **GDPR** regulations.
- Investigation of simulated cases of data exfiltration and **RAM analysis**.
- Cryptocurrency tracking projects with **Trackenn**.

Electronics Projects – 2022-2024

- Design of analog and digital circuits using **Ares** and **Proteus** for simulation.
- Projects with **Arduino, ESP32** and integrated systems control.
- **Energy management system** with control panel, sensors, **CCTV** and solar panels.
- **Robotic arm** programmed to draw, integrating Zen philosophy with robotics.
- Kinetic sculpture inspired by Nicolas Schöffer, **cybernetic art** and servo motors.

Technology Legislation – 2023-2025

- Documentation on legal obligations, regulatory compliance in technological projects, **data privacy** and international cooperation in cybercrime.

Dragos Cornel
Cybersecurity, Digital Forensics, Electronics

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PROFESSIONAL PROFILE

Electronics Technician with training in Cybersecurity and Digital Forensics. Multidisciplinary profile that integrates hardware, IoT and computer security. Hands-on experience in personal and academic projects including forensics, and design of complex electronic systems. In search of an opportunity to bring creativity, technical rigor and learning capacity to innovative technological environments.

ACADEMIC BACKGROUND AND CERTIFICATIONS

- Master's Degree in Private Detective, Cyber Investigation and Forensic Analysis – UNIR
- Computer Forensic Expert Witnesses in Legal Cases – UNIR
- Higher Degree in Electronic Maintenance – Malaga
- Training in Forensic Cybersecurity, Industrial Cybersecurity, Computer Security, Digitizing Agent, Secure Production.

LANGUAGES

- Spanish - Native
- Roumanian - Native
- English - Intermediate/Advanced
- French - Basic

INTERESTS AND PROJECTS

- Studying the possibility of creating a Honeypot with Raspberry Pi and evolving it to ESP32.
- Enthusiastic amateur chess player.