

ANAMARIA BĂLĂCESCU

SECURITY ENGINEER

Experience

Malware analyst, Ministry of National Defence
31.07.2025 - present

Assistant professor, Military Technical Academy "Ferdinand I" Bucharest
02.10.2025 - 02.2026

Contact

Bucharest, Romania
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Education

Bachelor in Computer Science
Military Technical Academy „Ferdinand I”
2021-2025

Master in Information Technology Security
Military Technical Academy „Ferdinand I”
2025-2027

Relevant Skills

- **C, C++, SQL, Python, Linux, Javascript, HTML, CSS**
- **Familiar with Nmap, Kali Linux, John The Ripper, Wireshark, Metasploit, Hashcat, IDA Pro, Ghidra**
- **Networking, Operating Systems, Computer Arhitecture, Programming, OOP, Data Structures, Databases, Malware Analysis**

Certifications

- **SQL Database Design and Programming**
- **BRD First Tech Challenge**
- **Leadership Certificate**
- **DA Summer School - Certificate of Attendance**

Languages

- **English - C2 (Cambridge Assessment English)**
- **French - B1 (DELF)**

Competitions

CyberMAN 2022
CTF Challenge
- July 2022 - 2nd Place Award

Performed analysis on network packages and ports, reverse engineering and scripting (python, bash)

CTF- USV
CTF Challenge
- October 2022

Web Inspection, Steganography, OSINT and scripting

CyberMAN 2023
CTF Challenge, Red vs Blue
- May 2023

Performed network analysis, reverse engineering, scripting (python, bash), identified vulnerabilities and helped patch them

CyDex 2023
CTF Challenge, Synchronous Live Attacks
- October 2023

Performed network analysis, reverse engineering, scripting (python, bash), identified vulnerabilities in a multi-level attack.

Chronos Security CTF Challenge
CTF Challenge
- March 2024 - 1st Place in Military Ranking, 2nd Place Overall

Participated in multiple categories of the jeopardy challenge such as steganography, reverse engineering, osint, identified vulnerabilities and targets and wrote scripts in python

CERC Conference 2025
Scientific Student Conference
- April 2025 - 3rd place in the Cybersecurity Section

Presented a paper on my diploma project “Current Techniques for Anti-Malware Engines” including three detection methods for Windows systems

Traian Lalescu 2025
Communications Session
- May 2025 - 1st place in the Computer Science Section

Presented the research conducted during my diploma project “Current Techniques for Anti-Malware Engines” in order to develop a performant CNN for malware analysis

Volunteer Work and Intersest

Leaders Explore Scholarship
Leadership and Management program
- June 2017 - November 2017

6 months scholarship which included leadership in group projects, project management, teambuilding exercises and public speaking

Robotics Team Member
Software programming, PR&Marketing
- 2017-2020

Helped in finding the funds for the project, implement the program for given tasks and build the structure of the robot

Data Assimilation Summer School
Data Assimilation and applications program
- July 2023

Used high level mathematics, python scripting and machine learning in studying Data Assimilation and its application in Oceanography, Hydrology, Risk and Safety and Reservoir Engineering

Bootcamp STS
IT&C summer program
- 29 July - 4 August 2024

Engaged in expert-led workshops, enhancing my skills in virtual machine deployment, cybersecurity, network configuration, backend development, database management, and secure communication systems

Leaders Foundation
Volunteering program
- 18 September - 31 December 2024

Conducted candidate interviews for program admissions, assessing applicants' qualifications, motivation, and alignment with the foundation’s values. Provided feedback to selection committees, contributing to fair and effective candidate evaluations.