Jenya Mirzoyan

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I am an Information Security Bachelor's student with strong knowledge in cybersecurity, computer networks, and Unix-like systems (Linux, MacOS). I am proficient in C++, Python, and familiar with JavaScript, Bash, PowerShell, and SQL, with a solid mathematical background.

Education

Yerevan State University   **09/23 - present**
BSc Informatics and Applied Mathematics

Projects

Mastering Web Vulnerabilities and Network Scanning   **12/24 - 12/24**

- This project focuses on practical cybersecurity training. It includes hands-on tasks with OWASP Juice Shop and TryHackMe's "Root Me" CTF, enhancing both offensive and defensive skills. Additionally, it incorporates developing a custom Python-based Nmap tool, fostering scripting and network analysis expertise.

Solving Portswigger Labs With Burp Suite And Mastering Metasploit   **12/24 - 12/24**

- Completed numerous labs on PortSwigger Academy, used Metasploit modules to exploit vulnerabilities on Metasploitable machine.
- Enhanced understanding of reverse shells, crafted a custom reverse shell script, developed a Metasploit module using Ruby.

Building Cloud Based Server for a Startup   **11/24 - 11/24**

- This project involves setting up a secure cloud-based server with SSH key authentication, firewall rules, Fail2Ban for attack prevention, and an Apache2 web server. The server will be configured with strict access controls and documented for easy management. If cloud resources are unavailable, a local VM will be used.

Mastercard Cybersecurity virtual experience program on Forage   **07/24 - 07/24**

- Completed a job simulation where I served as an analyst on Mastercard's Security Awareness Team.
- Helped identify and report security threats such as phishing.
- Analyzed and identified which areas of the business needed more robust security training and implemented training courses and procedures for those teams.

Recursive Directory Listing Script with Bash   **08/24 - 08/24**

- Implemented a Bash script to navigate to a directory, check for subdirectories, and list all contents recursively. This project has improved my skills in Bash scripting.

TCP Listener/Client Program using Python Socket Module   **08/24 - 08/24**

- Developed a TCP Listener/Client program using Python's Socket module. The project involved creating a server that listens for incoming connections and a client that establishes a connection to the server. This project helped me understand the basics of socket programming, and the client-server architecture in Python.

Certificates

- Currently/ Secure Infrastructure Administrator | Relq School
- Certified in Cybersecurity Official Course | (ISC)²
- 120 hour Junior Cybersecurity Analyst Career Path | Cisco
- Junior Network Administrator | BSC Armenia
- Introduction to Cryptography | Simplilearn
- Offensive Security Operations | Cybrary
- Bash Scripting/ PowerShell basics |Cybrary
- Cybersecurity Bootcamp | CyHub Armenia
- Investigating Web Attacks as a SOC Analyst (badge) | LetsDefend
- SOC Fundamentals (badge) | LetsDefend
- C++, Python, JavaScript, SQL courses | Sololearn

Awards/Competitions

- Synopsys Armenia 2023 award in Information Technologies
- Honourable mention in YSU Math Olympiad 2023
- Armenian Code Academy Math Olympiad 2023 finalist
- YSU Math Olympiad 2024 participant
- Armenian Code Academy 2024 finalist

Key Skills

- Computer Networking
- Web Vulnerabilities familiarity(OWASP Top 10)
- Security Tools(Metasploit, Burpsuite, Wireshark, Nmap)
- Cryptography
- General Algebra(Group Theory, Rings, Ideals and Fields)
- C++ proficiency
- Data Structures
- Mathematical Analysis, Discrete Mathematics
- Linux/Unix Systems
- Analytical thinking, problem-solving

Interests

- Cryptography
- Ethical Hacking