Vlad Zhelezniak

🌐 linkedin.com/in/vladzhel ✉ zhelvlad@gmail.com 📱 (+1) 253-306-7755

EDUCATION

Central Washington University **Ellensburg, WA**

Bachelor of Arts | CyberSecurity *Exp. Jun. 2022*

Minor | Business Marketing Cumulative GPA: 3.92

Awards: Dean's List All Semesters

Coursework: Data Science & Data Mining, Cyber Crime, Networking Forensics, Malware Analysis, Ethical Hacking, Penetration Testing, Intrusion Detection, Reverse Engineering

PROJECTS

'LinksByte' - Suspicious Link Detection Bot *Apr. 2021*
- Implemented Sandboxie and Python to create previews of weblinks before they are visited, precluding users from unintentional malicious downloads and personal data gathering; application reduced user confrontation with phishing websites and fake application downloads.
- Applied VirusTotal & OPSWAT APIs to automatically generate legitimacy and security reports on website links; prevented users from accessing untrusted domains marked unsafe by verified databases.

Process Exploration of Malicious Applications *May 2020*
- Developed new methodology for detecting malicious processes running within a portable executable file through the use of Process Explorer and Python; new approach prevented DLL hijacking attacks and malicious file injections.

PETYA Ransomware Encryption Vulnerabilities *Jun. 2017 - Jul. 2017*
- Developed an alternative means to decrypt data that had been encrypted through the PETYA ransomware attack by finding a vulnerability in PETYA's known-plaintext attack within Salsa20's cipher stream.

EXPERIENCE

Central Washington University **Ellensburg, WA**

Cybersecurity Capstone Course TA *Sept. 2020 – Jan. 2021*
- Led virtual and in-person discussions to help students understand cybersecurity concepts ranging from brute-force attacks to detecting and analyzing malicious traffic on IP networks.
- Developed a framework to track student progression in specific cyberattack concepts using personalized testing applications to show & identify areas of improvement; created practice tests to prepare students for final exams based on weakness areas.

ActionLink LLC **Puyallup, WA**

Retail Sales Associate *Jun. 2019 - Sept. 2019*
- Implemented a new marketing campaign demonstration software to highlight capabilities and features of new and current devices; campaign increased customer walk-ins by 11% within Walmart's electronics department.
- Assisted an average of 80 customers per day on select items, providing recommendations based on the need and request of each customer; generated an average 92% satisfaction rate and a customer return rate of 76%.

FatSecurity.com **Remote**

Research Analyst & Content Contributor *Sept. 2016 - Sept. 2018*
- Researched disparate malware payloads by breaking down their malicious processes with PeStudio & ProcDot; published research reports to inform users about malicious software, attack methods, and effective online security measures.
- Developed a new process for removing common and difficult-to-detect computer infections by reverse engineering specific ransomware software that utilize encryption keys transferred over data networks with diStorm3 & edb-debugger.

SKILLS & EXTRACURRICULARS

- Programming Languages: Python, C, Java, HTML/CSS, JavaScript, NodeJS
- Certifications: CompTIA CySA+, CompTIA Security+
- Other: MS Office, AWS, Adobe AE, NMAP, Wireshark
- Clubs: Ethical Hacking, Network Analysis
- Languages: Ukrainian, Russian, English