

Edmond Wu

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PROFESSIONAL EXPERIENCE

Security Consultant — NetSPI

Minneapolis, Minnesota

January 2025 — Present

- Lead offensive security engagements across web application, AI/ML system, and AWS cloud environments, applying OWASP Top 10 and OWASP Gen AI Top 10 methodologies
- Identified and reported critical-severity vulnerabilities under tight engagement timelines, prioritizing findings by exploitability and business impact
- Authored detailed engagement reports for both technical and executive stakeholders; partnered with development teams through remediation
- Combined manual exploitation techniques with industry tooling (Burp Suite, Nmap, custom scripts) to surface findings that pattern-based scanners routinely miss
- Conducted scoping discussions with client stakeholders to align engagement objectives, rules of engagement, and success criteria prior to testing

Software Developer and IT Specialist

Vanguard OffRoad, New York

May'21 - Present

- Data Integrity and Processing: Developed a Python application using Pandas and Tkinter to verify the integrity of a critical Excel file managing over 300,000 products. This application ensures data reliability through comprehensive checks for data validity, formula consistency, and structural integrity.
- E-commerce Website Maintenance: Performed daily maintenance and updates on a high-traffic e-commerce website, enhancing performance and user experience for thousands of daily visitors.
- Data Automation: Created a Python application using Pandas and Tkinter to automate the development of various Excel files, scaling data management from 6,000+ to 100,000+ products.

PROJECTS

Enumeration Script

May'24

- Developed and implemented comprehensive Bash scripts for web application reconnaissance that automate subdomain enumeration, directory scanning, service enumeration, and screenshot capturing, improving efficiency and accuracy in security assessments.

Bug Bounty

March '26

- Conducted source code review and dynamic web application testing to identify injection vulnerabilities, including stored cross-site scripting (XSS), CSV injection, and Prisma schema injection. Additional information can be viewed here: <https://edsec.dev/writeups/four-bugs-in-a-sanctuary>.
- Delivered clear remediation guidance and reproduction steps tailored for developers.

EDUCATION

The Pennsylvania State University

June '23

University Park, Pennsylvania

- Bachelor of Arts Psychology
- **Minor:** Security Risk Analysis & Chinese
- **Awards and Honors:** NSA Letter of Recognition
- **Relevant Coursework:** Programming and Computation, Introduction to Application Development, Network and Telecommunications, Information Security Management, Cyber Forensic, Overview of Information Security

CERTIFICATION

Google Cybersecurity Certificate (Google)

September '23

Practical Junior Web Penetration Tester (TCM-Security)

June '24

OffSec Certified Professional (OSCP)

In Progress

SKILLS

Penetration Testing: AWS cloud assessments, OWASP Top 10, OWASP Gen AI Top 10

Languages & Scripting: Python, Bash, JavaScript, HTML, CSS, SQL