

TRAN ANH HUY

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SUMMARY

I am Huy, a fresh graduate in Information Technology with a specialization in Knowledge Engineering, focusing on Cryptography and Security. I hold certifications from CyberJutsu Academy and OPSWAT's Critical Infrastructure Cybersecurity Graduate Fellowship Program. I am skilled in internal testing, Active Directory testing, and CVE analysis. My passion lies in Cybersecurity, and I am eager to learn and tackle new challenges. I am available for flexible work and training schedules.

EDUCATION

University of Science

Ho Chi Minh City, Viet Nam | 10/2020 – 10/2024

- Graduated in Information Technology (High-Quality Program).
- Major: Knowledge Engineering – Blockchain and Security.
- Knowledge of application security topics of OWASP Top 10.
- Knowledge of the methods, processes, and procedures to execute penetration and software testing.
- Experience reviewing source code (Javascript, Python).

TECHNICAL SKILLS

Programming Languages: C/C++, Python.

Scripting Languages: Python, PHP, Bash Powershell.

Software Testing Skills: Testing Fundamentals (functional, non-functional), Test Planning & Documentation, API Testing, Performance Testing, Security Testing.

Frameworks/Tools: Kali Linux, Metasploit, Burp suite, Wireshark, Nmap, Autorecon, Dirb, Nikto, SQLMap, John, Evil-Winrm, Msfvenom, Win/Linpeas, Mimikatz, Bloodhound, MITRE, Docker, Postman, Jira,...

Pentest Skills: Buffer Overflow, Recon, Subdomain scanning, Reverse shell, RCE, Privilege Escalation, AD Attack, SSH Tunneling, Social Engineering.

CVE Analysis: CVE Research, System Comprehension, Root Cause Identification, Patch Diffing, Document and POC Creating, Mitigation and Remediation.

Foreign Languages: IELTS 6.5; proficient in reading and comprehending English technical materials.

Others:

- Public speaking and presentation skills.
- Knowledge about encryption: Aes-256, Rsa, Hash Function, Computer Networking, and Operating Systems.
- Research and problem-solving skills.
- Effective teamwork and leadership.
- Adapted to the company culture and the working environment of the team.
- Detail Organization, time management, and analytical skills.

WORKING EXPERIENCES

WordPress Website Designer and Developer - Pan Happy

01/2021 – 06/2021

Link: <https://panhappy.vn/>

- Designed and developed a healthy products e-commerce website using WordPress, integrating full e-commerce functionality.
- Secured the website with HTTPS certification and implemented copy protection for blog pages.
- Optimized user experience through effective UX/UI design and plug-in integration.

Operation Product Intern - Alphapanda

04/2023 – 07/2023

Link: <https://alphapanda.one/>

- Conducted research on global NFT projects and added their details to the company's NFT marketplace.
- Gained in-depth knowledge of cryptocurrencies, NFTs, and blockchain technologies.
- Prepared daily reports and contributed to the strategic evaluation of potential NFT investments.

OPSWAT's Critical Infrastructure Cybersecurity Graduate Fellowship Program

08/2024 – 10/2024

Link: <https://www.opswat.com/careers/cybersecurity-fellowship-program>

- Identified and replicated known vulnerabilities in a controlled lab environment using OPSWAT Critical Infrastructure Lab resources.
- Developed and tested exploits, gaining insights into hacker methodologies.
- Created comprehensive reports and visual content detailing vulnerabilities, their root causes, and their impact on critical infrastructure.
- Conducted malware scanning using OPSWAT tools and documented findings.
- Proposed defense strategies against vulnerabilities based on hands-on testing results.
- **Researched CVE:**
 - [CVE-2022-44666](#): Window Contact Vulnerability.
 - [CVE-2023-34040](#): Spring Kafka Deserialization Vulnerability.
 - [CVE-2019-6820](#): Modicon M241 Missing authentication for IP change.

ACTIVITIES

Red Team Operation 101 Certificate - Cyber Jutsu Academy

09/2023 – 12/2023

- Completed a comprehensive Cybersecurity course involving group activities and theory tests, earning the certificate after passing the final exam: the [certificate](#).

OPSWAT's Fellowship Program Final Presentation:

10/10/2024

- Received the Best Presentation Award, demonstrating excellent communication and technical skills.

CTF Self - Training

12/2023 – Present

- Participated in the HCMUS CTF Warm-up Competition in 2023 to enhance practical skills.
- Practiced on platforms like HackTheBox and Vulnhub. Personal blog for write-ups: [Blog](#).
- Ongoing training in Pentesting and Cybersecurity using various labs and virtual machines at hackthebox: [htb profile](#).