

QUANG - THANG NGUYEN

 quangthangnguyen.cs.study@gmail.com |  +84 931872467

 [nqthangcs](https://www.linkedin.com/in/nqthangcs) |  [nqthangcs](https://github.com/nqthangcs) |  nqthangcs.github.io

Ho Chi Minh city, Vietnam

OBJECTIVE

I am a final-year Computer Science undergraduate with a strong interest in cybersecurity. My focus is on secure software development, vulnerability detection, and security automation. I want to study how security can be integrated directly into the software development process. This includes secure coding practices, automated analysis, and threat modeling. My goal is to help make software systems more resilient and trustworthy. I plan to pursue graduate studies and contribute to the field through research-driven work.

EDUCATION

- University of Science, VNU-HCM** 2022 - Present
B.Sc. (Honors) in Computer Science Vietnam
 - CGPA: 3.7 / 4.0
 - Cumulative Credits Earned: 214 ECTS / 240 ECTS (expected)
 - Earned a perfect score (4.0 / 4.0) in *Scientific Research Methodology*, leading to a published research paper.

PATENTS AND PUBLICATIONS

C=CONFERENCE, J=JOURNAL, P=PATENT, S=IN SUBMISSION, T=THESIS

[C.1] Nguyen, Q.T., Song-Dong, G.P., Le, T.N. (2025). **Budget-Aware Keyboardless Interaction**. In *SOICT 2024*, Springer, Singapore. DOI: 10.1007/978-981-96-4288-5_21

SELECTED HONORS AND AWARDS

- Runner-up Vietnam group at PwC Hack A Day** Nov 2024
Issued by PwC Hong Kong []
 - Ranked 10 overall as *blackpink*
- Consolation prize at ASEAN Student Contest on Information Security 2024** Oct 2024
Issued by Vietnam Information Security Association (VNISA) []
 - Attack-Defense group, with team *HCMUS.C2*
- Finalist at Digital Dragons The Cybersecurity Challenge 2024** Sep 2024
Issued by Vietnam-Korean University of Information and Communications Technology (VKU) []
 - With team *blackpink*
- Consolation prize at ASEAN Student Contest on Information Security 2023** Nov 2023
Issued by Vietnam Information Security Association (VNISA) []
 - Jeopardy group, with team *HCMUS.Corpse_Reviver_2*
- Runner-up at HCMUTE Mastering IT** Jun 2023
Issued by Faculty of Information Technology, HCMC University of Technology and Education (HCMUTE) []
 - With team *Tao xam*
- Dean's certificate for active participation in extra-curricular activities** Dec 2023
Issued by Dean of the Faculty of Information Technology, VNUHCM-University of Science []
- Advanced Youth Follow President Ho Chi Minh's Wills** 2024 and 2025
Issued by Ho Chi Minh Communist Youth Union of VNUHCM-University of Science
- Student with 5 Good Criteria - University level** Nov 2023
Issued by Ho Chi Minh Communist Youth Union of VNUHCM-University of Science

LEADERSHIP EXPERIENCE

- Vice President** 2024 – 2025
Computer Security Club – University of Science, VNU-HCM []
 - Lead strategic planning and execution of workshops, seminars, and events to promote cybersecurity awareness and skill development.
 - Support club operations and mentor junior members to foster leadership and technical growth.
- Executive Committee Member** 2023 – 2024
Computer Security Club – University of Science, VNU-HCM []
 - Organized and facilitated educational events, including technical workshops and community-building activities.
 - Authored cybersecurity content for the club's fanpage, boosting community engagement.
 - Represented the club in various national and international CTF competitions.

PROFESSIONAL EXPERIENCE

• Trex Team

Penetration Testing

Apr 2024 – Present

Vietnam

- Conducted security assessments and penetration testing on enterprise-grade web applications.
- Authored detailed vulnerability reports with actionable remediation recommendations.

PROJECT MANAGEMENT & EVENT ORGANIZATION

• Deputy Head of Organizing Committee

HCMUS-CTF 2024

2024



- Co-led planning and execution of HCMUS-CTF 2024, a large-scale cybersecurity competition.
- Contributed to the creation and review of CTF challenges, ensuring quality and relevance.

PROJECTS

• Capture The Flag write-ups

Tools: Github Pages



- Detailed step-by-step explanation of how I solved the challenges.
- Notes for future reference, as well as for training purposes.

• Remote Desktop

Technologies: C++, socket, ImGui

Computer Networks course project



- *Description:* Developed a high-performance remote desktop application that allows users to remotely access and control multiple computers over a network. The app supports concurrent connections, allowing one computer to control many devices simultaneously with minimal latency.
- *Role:* Designed and implemented the user interface using ImGui. Integrated the UI with data fetched from the network layer using efficient socket programming.

• ZNZ Video Conferencing App

Introduction to Software Engineering course project



Technologies: TypeScript, React, ExpressJs, PostgreSQL, Redis, Mediasoup

- *Description:* ZNZ is a user-friendly video conferencing application offering real-time audio and video communication, meeting management, and interactive features to make virtual collaboration seamless and engaging.
- *Role:* Designed and developed the backend APIs using Express.js.

• Android Coffee Store Application

Mobile Application Development course project



Technologies: Android Java, Android XML

- *Description:* Developed a fully functional mobile application for a coffee store, allowing users to browse coffee products, view product details, and add items to their cart.
- *Role:* Designed and implemented the frontend UI/UX, ensuring a seamless user experience with intuitive navigation.

SKILLS

- **Programming:** C, C++, Python, Javascript
- **Security:** Penetration Testing (Burp Suite, OWASP), Static Analysis (semgrep), Threat Modeling
- **Tools:** Git, Linux, Docker
- **Research Skills:** Technical writing, Academic research, Literature review

ADDITIONAL INFORMATION

Languages: English