HUNG LE

Phone: +1(984) 379-2342   *Raleigh, NC*
qle3@ncsu.edu   *27606*

SKILLS

LLMs: Quantized LoRA, Zero/Few-shot learning, Huggingface, Pytorch, LLMs safety and robustness
Competitive programming: Codeforces 1400 rating
Data analysis: web-crawling, preprocessing, backdoor defense, plotting, vectorize
Code analysis: AST, Dataflow, CFG.
Programming language: Python, C++, Java, ASM

RESEARCH EXPERIENCE

WISER Lab, **NCSU, Raleigh, USA**   *2025 to now*
Research Assistant
Advisor: Dr. Bowen Xu
Topic: "Optimizing Spectral Signature in Code Backdoor Detection"
Collaboration: Prof. Bach Le (UniMelb, Australia)

Intelligent Software Engineer Lab, HUST, Hanoi, Vietnam   *2021 to 2024*
Research Assistant
Mentor: Thanh Le Cong (Phd candidate of UniMelb, Google PhD Research Fellow)
Topics: "Large Language Model with MOE for code summarization", "Code reduction for automatic summarization", "AI verification and robustness for images"
Collaboration: Prof. David Lo (SMU, Singapore), Prof. Bach Le (UniMelb, Australia), ThanhVu Nguyen (GMU, USA)

PUBLICATIONS

Optimizing Spectral Signature in Code Backdoor Detection
Quoc Hung Le, Thanh Le-Cong, Bach Le, Bowen Xu
Submitted to FSE 2026
"Leader of the project to investigate the optimization of spectral signature against backdoor attack. Proposed a new cost-effective proxy metric to estimate the effectiveness of the defense method."

WORK EXPERIENCE

Viettel Cyber Security, Vietnam   March 2022- July 2022
Internship
- Practiced basic assembly and cryptography security

HONORS AND AWARDS

Summer Graduate Merit Award ($3000)   *2025*
Awarded by North Carolina State University for outstanding graduate students

Third prize in the National English Olympiad   *2021*
Awarded by the University of Languages and International Studies in English competition among every university team across Vietnam.

EDUCATION

Ph.D, North Carolina State University, Computer Science   *Aug 2025-now*

Topic: Security LLMs for Software Engineering   *GPA:3.91/4.00*

BS   Hanoi University of Science and Technology, Computer Science   *Aug 2019- Jan 2024*
          Thesis: CodeLlama on code summarization: How far are we?
          (Best presentation award)

TEACHING

Graduate Teaching Assistant, NCSU
- CSC505: Design and Analysis of Algorithms   *Fall 2025*

REFERENCES

Dr.Bowen Xu, *Assistant Professor*
North Carolina State University
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Thanh Le Cong, *Graduate Researcher*
University of Melbourne
Email: congthanh.le@student.unimelb.edu.au