

WENYUN WANG

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EDUCATION

Carnegie Mellon University

Sep 2024 - May 2026

Master of Science in Information Technology - Information Security

Pittsburgh, PA, US

Huazhong University of Science and Technology

Sep 2020 - Jun 2024

Bachelor of Engineering in Cyberspace Security; GPA: 3.86/4.0

Wuhan, Hubei, China

SKILLS

Languages: Python, C/C++, TypeScript, JavaScript, Shell, HTML/CSS, Assembly

Tools: LangChain, IDA Pro, Burp Suite, Metasploit, Wireshark, JMeter, DBeaver, UIPath RPA

Specializations: LLM Integration, Binary/Static Program Analysis, Vulnerability Detection, Network Security

INTERNSHIP EXPERIENCES

Meituan

May 2025 - Jul 2025

Security Technology Research Intern (LLM, Binary Analysis, LangChain)

Beijing, China

- Researched the application of LLMs in binary reverse analysis and developed executable program analysis agents
- Designed reverse engineering agent and built analysis pipelines using LangChain framework.
- Used agent assistance to analyze .so files, including cronet hook points and automated script generation.

DPtech Technologies Co.,Ltd.

Jul 2023 - Oct 2023

Test Development Engineer (DBeaver, JMeter, Kafka, OWASP, Scripting, Node.js)

Hangzhou, China

- Developed automated scripts for data analytics, saving the team 10 hours of work per week and identifying 21 bugs.
- Independently designed test cases for the new system and collaborated with developers to launch 3 new features.
- Collaborated in optimizing and redesigning an API risk monitoring system, improving its accuracy by nearly 5%.

China Huadian Co.,Ltd.

Jul 2022 - Aug 2022

Security Operations Engineer (Access Control, Router Operation, Virus)

Hubei, China

- Configured firewalls and IDS for security drills, preventing unauthorized access and detecting 100+ potential attacks.
- Monitored host activities and assessed vulnerabilities, patching 28 malware-infected computers in the network.
- Maintained the internal network, assessed network topology security, and improved security policies.

Systems and Software Security Laboratory

Nov 2021 - Jun 2024

Researcher Assistant (Vulnerability, Taint Analysis, AST, XML, LLM)

Hubei, China

- Collaborated with the team to analyze 719 CVE vulnerability files, covering 16 different CWE types.
- Optimized vulnerability detection using code equivalence techniques and Codex for code completion.
- Awarded for Outstanding Student Entrepreneurship Project, presented at Wuhan Cybersecurity Innovation Forum.

PROJECTS

ClearShield: Fraud and Elder Abuse Detection System | *AI/ML, RPA, Data Analysis* Aug 2025 - Present

- Developed algorithms to detect fraudulent activities by analyzing account behaviors and transaction patterns.
- Implemented RPA using UIPath to monitor member accounts and intercept fraudulent activities in real-time.
- Performed behavioral analysis on scrubbed financial data to identify suspicious account and credential theft indicators.

SelMalDetector: A Malicious NPM Package Detector | *TypeScript, Python, LLM* Feb 2023 - Jun 2024

- Collected 3000+ malicious packages and proposed a dynamic feature extraction update mechanism using LLM.
- Detected 39 new malicious npm packages (verified by the npm community), filed a patent for the project, and earned an outstanding graduation thesis award.

Netfilter-based Network Sniffer | *C, Linux kernel, Netlink*

Sep 2023 - Oct 2023

- Developed a user-defined rules system for state analysis and filtering of TCP, UDP, and ICMP messages.
- implemented NAT functionality for IP and port conversion, and leveraged Netfilter for packet processing.