

MINH TUE TRINH

IT/CYBERSECURITY GRADUATE

[portfolio.net]

SUMMARY

IT graduate seeking an entry-level cybersecurity, application security, or security-focused IT role. Experienced in web application security, API testing, and vulnerability assessment through internship work. Skilled in Burp Suite, Postman, OWASP-based testing, web technologies, networking, and technical documentation

EDUCATION

Adelaide, SA	The University of Adelaide	July 2023 - Sep 2026
• Major: Cybersecurity (GPA: 5.5/7) • Relevant Coursework: Networking (CCNA-based), Algorithms & Data Structures, Operating Systems, Cyber Law, Advanced Cybersecurity Database and Application Computing		

WORKING EXPERIENCE

Tutor, Teaching Assistant	SACE COLLEGE VIETNAM	Dec 2022 - Jun 2023
• Delivered support to a class of 20 students, managing 35–40 hours per week with a focus on engagement, clarity, and academic improvement for Mathematics and the Research Project.		
PenTester, Intern	Vietnamese Security Network J.S.C (VSEC)	Dec 2024 - Feb 2025
• Conducted web application security testing using Burp Suite, OWASP guidelines, and a virtual machine environment to identify and assess vulnerabilities from the OWASP Top Ten. • Collaborated effectively in a corporate and fast-paced cybersecurity environment to document findings and support remediation. • Assessed 2 web application features/endpoints, identified 9 OWASP Top 10 related vulnerabilities, and contributed to the remediation of 100% of critical and high-risk findings through clear technical reporting and team collaboration		
PenTester, FinTech, Intern	Lotte Finance Vietnam	Nov 2025 - Feb 2026
• Tested 4 internal systems, web applications and APIs, identifying 27+ major and minor vulnerabilities across biometric, landing page, and loan systems. • Burp Suite and Postman for traffic interception, request tampering, API testing, and manual verification. • Produced 4 penetration testing reports, shared with the software development team for remediation, and actively communicated findings to support fixes for approximately 85.1% of critical and high-risk issues. • Highlight of the intern: Performed penetration testing on a loan and financing platform handling sensitive customer data, including national ID numbers, credit information, residential addresses, and facial-recognition records, and identified 4 high-risk vulnerabilities involving access control, authentication, API security, and potential data exposure.		
Sales Assistant	BOARC Rundle Mall	Feb 2026 - Jul 2026
• Delivered friendly customer service, assisted with product enquiries, and supported customers throughout the sales process		
IT Support/Technician, Trainee	Jim's IT	Jul 2026 - Present
• Configured and troubleshoot small-to-medium home and office networks, including routers, modems, Wi-Fi, Ethernet and internet connectivity. • Provided Microsoft 365 and Active Directory support, including account setup, access issues and basic user administration. • Installed, configured and repaired software, operating systems, printers and peripheral devices. • Delivered friendly customer service by identifying user needs and providing practical solutions.		

SOFTWARE PROJECTS

Personal Website: [portfolio] (for additional information and projects)

Adelaide Charity & Community (2024)

- Developed a full-stack charity and community web application using Vue.js for the frontend and Express.js for the backend.
- Built interactive user interfaces and RESTful API functionality to manage and display charity, community organisation, event, and support-service information.
- Integrated frontend and backend components, handled application data, tested core features, and collaborated with team members throughout development.
- Utilised: Vue.js, Express.js, JavaScript, REST APIs, Full-Stack Development, Git, Testing, Team Collaboration

GenAI Policy Builder (2025)

- Developed a GenAI-powered policy scanner that collected and consolidated GenAI policies from 28 universities in Australia and New Zealand into a unified platform.
- Categorised policy content into consistent themes and stakeholder groups, enabling students and educators to compare requirements and quickly locate relevant guidance.
- Applied prompt engineering, information extraction, and document analysis to transform lengthy policies into clear, structured, and searchable insights.
- Utilised: Generative AI, Prompt Engineering, Information Classification, Document Analysis, Technical Communication, End-User-Focused Design and Teamwork, Node.js, Vue.js and Git

Result: The project design was reviewed and adopted by the university to support policy accessibility following the institutional merger.

Securing MCP-based LLM (2026)

- Built a security-focused MCP/FastMCP AI assistant with layered safeguards to protect the full tool-calling workflow, including request processing, tool execution, and response delivery.
- Implemented pre-call and post-call middleware to validate tool requests and parameters, detect suspicious inputs, enforce security and filter unsafe or sensitive content before responses were returned to users.
- Detected indicators of direct and indirect prompt injection, XSS, SQL injection, secret leakage, image/file/text-based injection and suspicious API behaviour before outputs reached end users.
- Collaborated with team members and clients to refine the prototype, communicate technical findings, and produce project reports and documentation.
- Utilised: MCP, FastMCP, Python, Middleware Security, Input Validation, Output Filtering, Prompt-Injection Detection, API Security, System Design and Security Architecture

Result: Delivered a functional security prototype demonstrating how layered middleware controls can reduce risks in AI tool-calling workflows.

ADDITIONAL INFORMATION

- AWS Certified Cloud Practitioner - In progress, expected October 2026
- Work rights: Unrestricted Australian work rights
- Language: English (professional proficiency), Vietnamese (Native)
- Open for full-time opportunities

REFERENCES

Vu Hang - Head of IT Planning/Strategy at Lotte Finance VN

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