

# MINH VY HA

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## WORK EXPERIENCE

### Software Developer, Macquarie University

Nov 2025 - Present

- Designing and building a standalone web application utilizing cloud infrastructure and modern architectural patterns.
- Integrating Large Language Models (LLMs) and speech-processing technologies to create multimodal interactive user experiences
- Implementing robust data security measures and ensuring system architecture complies with strict institutional governance and privacy standards.

### IT Team Member, Macquarie Association of Computing Students

Oct 2025 - Present

- Perform technical work on MACS back-end infrastructure, including servers and databases.
- Maintain and improve MACS server bots, automation scripts, and verification systems.
- Support management in identifying and maintaining third-party services that enhance MACS operations and student engagement.

### Software Engineer Director, Greenie Web

Jul 2022 - Jan 2025

- Managed projects and led a team of **30+** co-developers, with over **120** members involved, to design web and desktop applications that exceeded requirements by **150%** in features and deadlines.
- Prevented **10+** fatal issues before Greenie Web launched the product, ensuring smooth delivery.
- Developed eCommerce websites, a Chrome extension, and a desktop application using Next.js, Electron.js, and React.
- Achieved a **30%** increase in completion time, a **70%** improvement in code quality, and a **45%** average reduction in carbon emissions across all digital operations.

### IT Workshop Facilitator, Macquarie University

Nov 2024 - Nov 2025

- Led the "Bonding Through Coding" initiative, offering hands-on coding workshops to primary school students and their families to foster interest in technology and strengthen family connections.
- Designed beginner coding courses in HTML, CSS, JavaScript, and Python to build foundational skills.

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## EDUCATION

### Bachelor of Information Technology

2024- 2026

Macquarie University

- WAM: 89.5
- Macquarie University Merit List - 2025, 2026
- Unit Representative, COMP1350
- Participant, New Colombo Program (NCP) - COMP2750 Jakarta
- Team Member, Bonding Through Coding (project by Charanya)
- Project Manager, Carbon Cue (Open Day project 2025)

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## ADDITIONAL INFORMATION

- **Technical Skills:** Git | GitHub, React, Next.js, Tailwind, Docker, Scikit Learn, ChatGPT, AI, MongoDB, MERN, Django, Flask, Postgresql, Prisma
- **Languages:** HTML | CSS | JS, Python, Java, SQL, TypeScript, Flutter
- **Languages:** English, Vietnamese
- **Awards/Projects:** NCSS Winner, WAI Hackathon, TikGuard (2024 TikTok TechJam), Futuris (Stock & Crypto Exchange).