


# NGUYEN MINH HOANG

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 [Github](#)

 [LinkedIn](#)

 [Portfolio](#)

## EDUCATION

### National University of Singapore (NUS)

Aug 2020 - Nov 2024

- Bachelor of Computing (Computer Science), Honours
- Related Courses: Software Engineering, Database Systems, Data Structure and Algorithms, Computer Networks.

## TECHNICAL SKILLS

- Programming Language: Javascript, TypeScript, Python, Java
- Framework: React.js, Next.js, Redux, Vue3.js, TailwindCSS, Shopify, Hydrogen, Fabric.js, RadixUI
- Database Management: MySQL, GraphQL, Firebase, Supabase
- Testing Tools: WebdriverIO
- Others: CI/CD, Agile/Scrum
- Languages: English, Vietnamese

## EXPERIENCE

### NUS Information Technology

Jun 2024 - Nov 2024

*Quality Assurance Intern*

- Built WebdriverIO automated tests, cutting manual QA time by 80% and standardizing regression coverage.
- Implemented the Page Object Model (POM) in automated scripts, increasing code reusability and cutting script maintenance efforts by 50%.
- Tested and validated critical features in the NUS Promotion and Tenure System, ensuring reliable performance for 500+ faculty and staff users.
- Partnered with developers, QA engineers, and project managers to identify and resolve bugs, contributing to a 30% reduction in post-release defects.
- Led weekly end-to-end UAT with stakeholders, securing 100% sign-off.
- Authored detailed test observation forms and bug reports, improving communication efficiency with stakeholders and accelerating bug resolution time by 25%.
- Managed and validated test data using SQL Developer, ensuring accuracy across multiple testing scenarios and reducing data-related test failures.

## Meyzer360

*Development Intern*

**May 2024 - Aug 2024**

- Contributed to the development of a merchant portal using Vue3 and Spring Boot, contributing to a digital ecosystem that supports compliance, equity management, and global operations for enterprises
- Partnered with UI/UX designers, product managers, and QA testers to deliver new functionality on schedule, achieving a 95% sprint completion rate and ensuring alignment with enterprise client needs.
- Improved code quality and maintainability by conducting peer reviews, reducing post-deployment defects by 20%.
- Executed unit and integration testing across key modules, resolving 30+ bugs and enhancing portal reliability and performance.
- Authored and maintained technical documentation that streamlined onboarding for new developers and reduced troubleshooting time by 25%.

## Tuition Teacher (Freelance)

*Development Intern*

**Aug 2020 - Present**

- Delivered personalized tutoring for A-Level (H2 Mathematics, H2 Further Mathematics, H2 Chemistry) and O-Level (Physics, Chemistry, Mathematics) students, resulting in measurable grade improvements.
- Designed and provided weekly learning materials, including summary sheets and revision notes, improving student retention and exam readiness.
- Guided multiple A-Level students to achieve Distinctions in tutored subjects, maintaining a 100% success rate.
- Raised an underperforming student's grade from E to C in H2 Mathematics within 4 months through targeted practice and progress tracking

## PROJECTS

### REISE, Customizable Photobook E-commerce Site

[Link to site](#)

- Developed a customizable photobook e-commerce store using Hydrogen and Shopify.
- Designed an interactive photobook editor, enabling users to customize layouts, images, and text for a personalized product experience.
- Coordinated regular requirement-gathering sessions with co-founders, ensuring development aligned with business objectives and design standards.
- Collaborated closely with the designer to implement consistent UI/UX and branding, delivering a visually cohesive, user-friendly e-commerce experience.

## NUS Resonance Website

[Link to site](#)

- Built and maintained the official website for the NUS Acapella Club, serving as a central platform for public engagement and member services.
- Developed a members' portal with audition schedules, performance details, calendars, bulletins, and resource booking, enhancing communication and accessibility for 100+ members of the club.
- Developed a public-facing site to showcase the club's mission, activities, and performances, increasing visibility and outreach to prospective members and audiences.
- Collaborated with a student team to deliver a user-friendly, visually cohesive website that aligned with the club's branding and operational needs.

## LEADERSHIP EXPERIENCE & EXTRA-CURRICULAR ACTIVITIES

### NUS Sheares Hall

**Aug 2020 - Aug 2024**

- **President, Sheares Hall A capella** – Led a team of 20+ singers, directed rehearsals, arranging scores that enabled 50+ residents to perform hall-wide showcases.
- **Member, Arts Council** – Coordinated with cultural CCA leaders to plan and execute annual hall-wide cultural events, engaging over 500 participants.
- **Member, Block Committee / Sheares Choir / Sheares Band** – Contributed actively to community life and music ensembles, supporting performances and block-level initiatives.

### NUS Resonance

**Aug 2023 - Nov 2024**

- Achieved **First Runner-Up** at the 2024 A Cappella Championship, hosted by the Singapore A Cappella Society.
- Represented NUS in competitive and showcase a cappella groups through regular weekly rehearsals and campus performances.
- Performed in caroling gigs and external events to raise funds and increase visibility for the club.

### NUS Amplified

**Aug 2022 - Aug 2024**

- Singer in a student a cappella band, participating in weekly rehearsals to refine arrangements.
- Performed at campus events and external gigs, contributing to live shows and community engagement.