

Quoc Huy Pham

danielpham13092002@gmail.com | 0961 787 953 | [Linkedin](#) | [GitHub](#)

Technical Skills:

- Programming language: Java, JavaScript, TypeScript, C#
- Frontend: Tailwind CSS, React, Next.js
- Backend: Node.js, Express.js, MySQL, Redis
- Data and AI: Pandas, PyTorch, scikit-learn
- Other tools: Git, Docker, Linux

Work Experience:

VietJapan

Ho Chi Minh City, Vietnam | Jun 2025 - Sep 2025

Software Engineer Intern

- Built and maintained an NDA backend service using Node.js and Express.js for confidential client projects.
- Collaborated with cross-functional teams in an Agile development environment, ensuring seamless full-stack integration.
- Participated rigorously in code reviews, implementing feedback to improve code quality and maintainability.
- Documented technical specifications and maintained clear project documentation for future scaling.

Solutions 8

Sydney, Australia | Jun 2023 - Jun 2025

Web Designer & IT Support

- Designed, built, and maintained responsive business websites utilising WordPress, tailored to specific client requirements.
- Provided technical consultations, assisting small businesses in defining their IT solutions and web infrastructure.
- Managed domain, hosting configurations, and resolved underlying software networking issues to ensure high uptime.

Academic Projects:

NLP-Based Privacy Requirement Classifier

Thesis – Academic Year 2025

Objective: Automate detection of GDPR-related privacy requirements in software specifications using fine-tuned transformer models, targeting resource-constrained small to medium businesses.

Tools: Python, PyTorch, Hugging Face Transformers, Label Studio, Scikit-learn

Responsibilities:

- Fine-tuned and benchmarked three transformer architectures (DistilBERT, MiniLM, XLNet) for binary classification on consumer-grade hardware (6GB VRAM).
- Curated and labelled 1,476 software requirements using a GDPR-inspired Privacy-by-Design framework with 7 labelling criteria.
- Addressed 70% class imbalance through CLAIRE-based data augmentation, improving minority class representation from 12% to 29%.
- Designed end-to-end ML pipeline: data cleaning, stratified splitting, tokenisation, training with early stopping, and evaluation.

Outcome: Gained foundational knowledge and skills in ML/AI.

Objective: Develop a web application to generate Viva examination questions and marking guidelines automatically using AI

Tools: Next.js, TypeScript, Tailwind CSS, Zustand, Shadcn/ui, GPT API

Responsibility:

- Served as Front-End Technical Lead, coordinating development efforts across the development teams.
- Architected the application structure using Next.js with TypeScript for type safety.
- Implemented state management solution using Zustand for efficient data flow.
- Designed responsive UI components using Tailwind CSS and Shadcn/ui.
- Delivered a functional application that helps tutors efficiently create assessment materials.

Outcome: Delivered a functional application that helps tutors efficiently create assessment materials.

Education:

Bachelor of Engineering (Honours) Sydney, Australia | Feb 2022 – Dec 2025

Macquarie University

Diploma in Information Technology Sydney, Australia | Feb 2021 – Feb 2022

Macquarie University

Language:

PTE Academic: 81 (Equivalent to IELTS 8.0)