Trong Viet Nguyen

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Education

The University of Sydney   *Feb 2025 - Nov 2028*
Bachelor of Advanced Computing in Computer Science and Statistics
- WAM: 91.3/100
- Recipient of Sydney International Undergraduate Academic Excellence Scholarship
- **Relevant Coursework:** Intro to Programming (Adv), Object-Oriented Programming, Computing 1B OS and Network

Awards

Ranked 37th in the ICPC South Pacific Preliminary Contest 2025   *September 2025*
- Solved 4/11 problems in a competitive programming contest, showcasing strong teamwork and algorithmic problem-solving skills.

Silver Medal in Vietnam National Round of International Olympiad in Artificial   *May - July 2024*
Intelligence (IOAI)
- In top 5% of participated teams by working on 3 problems: Pill images Classification, PM2.5 dust index Prediction, and Biomedical Text Summarisation

Third Prize in VNU Olympiad in Informatics for High School Students   *April 2023*
- A Competitive Programming Competition, organised to select the school's Informatics team to compete in Vietnam Olympiad in Informatics

Projects

Strata Management System (StrataHub)   *March - June 2025*
- Built a web platform to manage buildings, documents, and maintenance requests
- Used Next.js, TypeScript, Tailwind CSS, Supabase Auth, and PHP

Event Retrieval from Videos   *July 2024 - Oct 2024*
- Developed a platform that enables users to search for events in a video database using text and image queries
- Using TransNetV2 for keyframes detection, CLIP for features extraction, and FAISS for vector database

Digital School   *March - August 2023*
- Led Data team in designing the comprehensive model for the school, showcasing the school's 3D model and achievements
- Presented the project during an International Web Design Exchange with Software Gyeongbuk High School, Korea

Experience

Research Assistant   *Sydney, Australia*
DUAL Lab - Professor Nguyen Tran   *July 2025 - current*
- Assist in running research experiments, data analysis, and collaboration with lab members on ongoing research tasks
- Currently working on Large Language Models (LLMs), with a focus on efficient adaptation techniques
- Contributing to a research project on Federated Learning and LoRA (Low-Rank Adaptation) methods to improve parameter-efficient fine-tuning of LLMs

Host, HSGS Hackathon   *Hanoi, Vietnam*
HUS High School for Gifted Students   *April - May 2023, 2024*
- Hosted the annual hackathon for Informatics team students
- Provided training on the fundamentals of AI for over 50 students, including problem statements, datasets, and evaluation metrics for contests

Skills

Programming Languages: C/C++, Python, Java, R, JavaScript, HTML/CSS
Machine Learning & AI Frameworks: PyTorch, Keras, scikit-learn
Web Frameworks and Databases: Next.js, SQL, Supabase