

Ngoc Linh Vu (Nicole)

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Skills

Programming: Python, C, C++, MATLAB, HTML

Software: Arduino IDE, MPLAB X IDE, LTSpice, Multisim, VS Code, Jupyter Notebook, Git & GitHub

Lab Equipment: Xilinx FPGA, Oscilloscope, Digital Multimeter (DMM), Function Generator, Soldering

Circuit Design & Prototyping: Breadboard assembly, testing, and basic circuit design

Languages: Vietnamese (Native), English (Fluent), Chinese (Proficient)

Education

University of Adelaide — Adelaide, SA

Expected Completion: 2029

Bachelor of Engineering (Electrical and Electronics)

- GPA: 6.5 / 7.0

- *Relevant Coursework:* Analog Electronics, Digital Electronics, Mechanics & Thermodynamics

Chu Van An High School — Vietnam

May 2021 – May 2024

- GPA: 9.6 | Cambridge A-Levels: A in Physics & Mathematics

Experience

Retail Assistant (Volunteer), Save the Children Op Shop — St Agnes, SA

Aug 2025 – Present

- Maintained store organization and ensuring a welcoming environment.
- Assisted customers with purchases and handled cash transactions.
- Operated POS systems, including EFTPOS and Tyro terminals.

Tech Fair Representative, Winsler / SHDC — Vietnam

Nov 2024

- Promoted chargers and PCB services in English and Chinese.
- Assisted booth setup, brochure distribution, and customer inquiries.

Barista Intern, Tinh Hoa Coffee — Vietnam

Mar 2024 – Nov 2024

- Supported beverage preparation, stock management, and hygiene standards.
- Provided customer service and maintained workflow efficiency during busy periods.

Project

IR-Controlled Arduino Car (Independent Project, 2024)

- Built a four-motor car powered by lithium-ion batteries and controlled by an IR remote.
- Used Arduino Uno, L298N motor driver, and IR sensor module for motor control.
- Programmed motor direction and speed control using Arduino IDE.

Extracurricular Activities

- Member, EESA (Electric Energy Society of Australia)
- Member, EEESAU (IEEE Student Branch)

Certificates

- IELTS Academic – Band 7.5
- International Driver's License

Interests

Reading | Liverpool FC | Music | Sports