

# Ngoc Linh Vu (Nicole)

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## Skills

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**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

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**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

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**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

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**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

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

## Certificates

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

## Interests

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Reading | Liverpool FC | Music | Sports