

David Kieu

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Education

University of Adelaide
Bachelor of Computer Science

July 2023 – Present

- GPA: 6.5/7

Work Experience

Software Engineer

Sep. 2022 – Jan. 2023

Ecosmartvietnam, Hanoi, Vietnam

- Designed and deployed a production-grade website for Eco Smart Solutions using a Flask-based backend with dynamic HTML/CSS/JavaScript pages.
- Integrated third-party APIs and optimized server performance to handle traffic spikes with minimal downtime.
- Mentored junior developers on GitHub workflows and implemented SEO strategies that increased organic traffic by 30%.

Intern

Nov. 2023 – Feb. 2024

Kaopiz Inc, Hanoi, Vietnam

- Engineered computer vision models using Python and OpenCV for object detection, improving efficiency by 25%.
- Automated image processing workflows to reduce manual data preparation.
- Analyzed algorithm trade-offs and integrated CV pipelines into enterprise applications.

Side Projects

Game Development: Ping Pong and Chess (Python)

Feb. 2023 – Sep. 2023

- Developed 2D games with a custom physics engine ensuring smooth user interaction.
- Integrated AI-driven decision-making into the Chess game for varying difficulty levels.
- Streamlined the game architecture for rapid feature integration.

AVA Club Website (React)

Nov. 2024 – Present

- Developed a modern, responsive website using React.js to showcase club activities and events.
- Implemented dynamic features (events calendar and RSVP forms) to boost user engagement.
- Collaborated in a team using GitHub for efficient version control and cross-browser compatibility.

AirGesture (Python, OpenCV)

Nov. 2024 – Dec. 2024

- Developed a computer vision project using Python and OpenCV to detect and interpret hand gestures in real-time.
- Processed live video input to translate hand movements into actionable commands.
- Optimized image processing algorithms to improve system performance and recognition accuracy.

Technical Skills

Languages: Python, C++, JavaScript, HTML/CSS, SQL

Frameworks: Vue.js, Django, Flask, OpenCV

Developer Tools: Git, Jupyter Notebook

Community Involvement

Treasurer

May 2024 – Present

Vietnamese Students Association

- Managed financial records and budget allocations for the association.

Ingenuity Event Volunteer

Oct. 2024

University of Adelaide

- Supported university events to enhance community engagement and technological showcases.