

HO VU KHANH VY

D.O.B: 18/03/2002 ◇ vukhanhvy.ho@gmail.com ◇ LinkedIn: vyvho ◇ +61 477 788 598

EXPERIENCE

-
- Undergraduate Research Assistant** *The University of Queensland, Australia* *Feb 2024 - Nov 2024*
Conducted research on **leveraging AI to optimize bidding strategies** in the energy sector, achieving **over 80% accuracy** and helping solar generators **mitigate risks** during negative pricing phases.
- Built **predictive models** using **Python** and **LSTM networks** to forecast energy prices, with a focus on the Queensland region.
 - Integrated the **MODBUS protocol** to enable seamless interaction between predictive models and solar panel control systems, enhancing **operational efficiency**.
- Software Engineer Intern** *Aubot Pty Ltd, Melbourne.* *Jun 2023 - Mar 2024*
Developed an **educational platform** to teach high school students programming and foundational concepts, later adopted by **8 Australian elementary schools**, impacting **thousands of students**.
- Authored and **debugged** for 10,000+ **Java** and **Python** exercises, adhering to **Agile development practice**.
 - Designed and implemented **front-end interfaces** for content presentation, ensuring an intuitive user experience.
 - Conducted **UAT testing** to improve **UI/UX design** and enhance platform functionality and usability.

PROJECTS

-
- STORYPATH** *Sep 2024 – Nov 2024*
- Developed and deployed a **full-stack** location experience platform using **JavaScript**, leveraging **Node.js** for back-end development and **React** for the front-end.
 - The platform features a **React Web** app for authoring experiences, allowing users to design and manage location-driven narratives, and a **React Native Player** for deploying these experiences on mobile devices via **Expo Go**.
- Github-link for web & app:** [StoryPathWeb](#) & [Storypath](#)
- RIDINGSHARE** *Aug 2023 - Sep 2023*
- Developed a **web-based ride-sharing platform** with a **custom API** using **Python** for **back-end** and a **user-friendly interface** crafted with **HTML**, **CSS** and **Yarn**, enabling passengers to request rides and share trips with others traveling in similar directions.
 - Deployed on **AWS** using **Terraform** and **Docker**, hosted on **EC2** instances to ensure scalability and reliability through **K6 auto-scaling** while providing **public access** to users.
- Github-link:** <https://github.com/CSSE6400/P01-RidingShare>

TECHNICAL SKILLS

Programming Languages	Python, Java, HTML/CSS, JavaScript, SQL, C++, PHP, Bash.
Cloud Technologies	AWS (EC2, ECS, Lambda, CloudWatch, SQS, etc), GCP.
Tool	React, CodeIgniter4, Docker, Git, Jupyter Notebook.
Skills	Web & Application Development, Data Analysis, Documentation.
Languages	English, Vietnamese, Chinese.

EDUCATION

-
- The University of Queensland, Australia.** *Jul 2022 - Dec 2024*
Bachelor of Engineering (Honours) — Software Engineering.
- UQ Global Connect Scholarship
 - Second Class Honours (Division A)
- Ho Chi Minh University of Technology, Vietnam.** *Sep 2020 - Jun 2022*
Bachelor of Computer Engineering.
- OISP Scholarship for Academic Excellence

REFEREES

Marita Cheng - *Founder of Aubot Pty Ltd*
[Reference letter](#) ◇ Email: me@maritacheng.com

A.Professor Rahul Sharma - *School of Electrical Engineering and Computer Science*
Email: rahul.sharma@uq.edu.au