

## EDUCATION

- **RMIT University Vietnam** Ho Chi Minh City, Vietnam  
*Bachelor of Information Technology in Artificial Intelligence; GPA: 3.50* *Oct. 2020 – Expected: Mar. 2025*
- **Seattle Central College** Seattle, WA, United States  
*Associate of Liberal Arts and Sciences; GPA: 3.00* *Sep. 2016 – Aug. 2017*

## RELEVANT COURSEWORK

Machine Learning, Practical Data Science, Data Structures and Algorithms, Computing Theory, Artificial Intelligence, Fullstack Development, Database Application, Software Engineering Project Management

## PROJECTS

- **Sepsis Prediction Model**  
🐙 miketvo/rmit2023a-cosc2753-assignment1 | 📄 Dataset: Kaggle - chaunguynghunh/sepsis
  - **Languages and Frameworks:** Python, Scikit-Learn, Pandas, Seaborn
  - **F1 Score:** Achieved a  $F_1$  score of 0.86 using a customized Bagged Tree model and robust data cleaning and preprocessing pipeline.
  - **Research Writing:** Produced a high quality research paper on the dataset and models used for sepsis prediction as part of the assignment.
- **Flower Classification and Recommendation System**  
🐙 miketvo/rmit2023a-cosc2753-assignment2 | 📄 Dataset: Kaggle - miketvo/rmit-flowers
  - **Languages and Frameworks:** Python, Keras, Tensorflow, Scikit-Learn, Pillow
  - **Model Development and Deployment:** Developed an in-house CNN solution for feature extraction and a robust flower image classification and recommendation pipeline with an accuracy score of 0.7.
  - **Leadership:** Led student research team to produce a high-quality research paper on the subject matter.
- **Open Source Vietnamese Keyboard for Keyman Input Method Editor**  
🐙 miketvo/keyboards | 🐙 miketvo/vn-kmn-compiler | 🌐 Keyman - Vietnamese Telex | 🌐 Keyman - Vietnamese VNI
  - **Languages and Frameworks:** Python, Keyman Keyboard Language
  - **Exhaustive Vietnamese Keystrokes Generator:** Utilized Python scripting to generate exhaustive syllable-based Telex and VNI keystrokes configurations from automated analysis and extraction of Vietnamese dictionaries. Related project: 🐙 Telex based Han Nom input method schema generator.
  - **Open-source Collaboration:** Worked with Keyman developers and user community on keyboard deployment.
  - **Deployment:** Both Telex and VNI versions combined has over 35.000 downloads in total on Keyman website.
- **Full-stack E-commerce Web Application (React/Node/RDBMS/NoSQL)**  
🐙 miketvo/rmit-isys2099-group9-app
  - **Languages and Frameworks:** NodeJS, Express, Mongoose, Vite, React, Bootstrap, Axios, MySQL, MongoDB
  - **Leadership:** Utilize Agile methodology to lead a team of student of multiple specializations.
  - **Database Design:** Worked as the lead relational database architect to help deploy and integrate the application database with the backend server and the frontend using REST API.
- **Full-stack E-commerce Web Application (PHP)**  
🐙 kuri-team/yabe-mall
  - **Languages and Frameworks:** PHP, HTML/CSS, JavaScript
  - **Software Engineering Project Management:** Worked as the project manager and SCRUM Master, managing risks, scope creep, and progress.
- **Online Client Portfolio**  
🌐 duonghanhi.netlify.app
  - **Languages and Frameworks:** JavaScript, Gatsby, PostCSS
  - **UI/UX Design:** Worked remotely with the client to Design and develop a user-friendly, responsive, and brand-conscious portfolio landing page.

## SKILLS

- **Programming:** Python, SQL, Java, C/C++, JavaScript, PHP, HTML/CSS, Lua, Bash, Batch, Powershell, TeX
- **Technologies:** Tensorflow, Keras, OpenCV, Pandas, React, Gatsby, NextJS, Vite, Express, MongoDB, MySQL
- **Tools:** Jira, Git, Vim, VS Code, Linux (Ubuntu & Arch Linux), Jupyter Lab/Notebook, JetBrains IDEs, Figma
- **Languages:** Vietnamese (Native), English (Bilingual)