

EDUCATION

• <b>RMIT University Vietnam</b> <i>Bachelor of Information Technology in Artificial Intelligence; GPA: 3.50/4.00</i>	Ho Chi Minh City, Vietnam <i>Oct. 2020 – Expected: Mar. 2025</i>
• <b>Seattle Central College</b> <i>Associate of Liberal Arts and Sciences; GPA: 3.00/4.00</i>	Seattle, WA, United States <i>Sep. 2016 – Aug. 2017</i>

RELEVANT COURSEWORK

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

PROJECTS

• <b>Full-stack E-commerce Web Application (React/Node/RDBMS/NoSQL)</b> 🔗 miketvo/rmit-isys2099-group9-app <ul style="list-style-type: none"><li>• <b>Languages and Frameworks:</b> NodeJS, Express, Mongoose, Vite, React, Bootstrap, Axios, MySQL, MongoDB</li><li>• <b>Responsibilities:</b><ul style="list-style-type: none"><li>– Led the project as the Project Lead and SCRUM Master, coordinating and executing the project timeline.</li><li>– Served as the lead database architect for the project’s relational and NoSQL databases.</li></ul></li><li>• <b>Achievements:</b><ul style="list-style-type: none"><li>– Utilized Agile and SCRUM methodologies to lead and enable a team of student of multiple specializations to deliver the project deliverables in a timely manner for each sprint while preventing scope creep and managing project risks.</li><li>– Successfully deployed and integrated the application’s MySQL and MongoDB databases with its backend and frontend components using REST API.</li></ul></li></ul>	Aug. - Sep. 2023
• <b>Flower Classification and Recommendation System</b> 🔗 miketvo/rmit2023a-cosc2753-assignment2   📄 Dataset: Kaggle - miketvo/rmit-flowers <ul style="list-style-type: none"><li>• <b>Languages and Frameworks:</b> Python, Keras, Tensorflow, Scikit-Learn, Pillow</li><li>• <b>Responsibilities:</b> Led student research team to produce a high-quality research paper on the subject matter.</li><li>• <b>Achievements:</b> Produced a robust in-house convolutional neural network solution for flower image classification and recommendation pipeline ready for deployment with an accuracy score of 0.7.</li></ul>	May - Jun. 2023
• <b>Sepsis Prediction Model</b> 🔗 miketvo/rmit2023a-cosc2753-assignment1   📄 Dataset: Kaggle - chaunguynghunh/sepsis <ul style="list-style-type: none"><li>• <b>Languages and Frameworks:</b> Python, Scikit-Learn, Pandas, Seaborn</li><li>• <b>Responsibilities:</b> Served as the solo data scientist and researcher for the assignment project.</li><li>• <b>Achievements:</b><ul style="list-style-type: none"><li>– Achieved a <math>F_1</math> score of 0.86 using the Bagged Tree algorithm and implementing a robust data cleaning and preprocessing pipeline.</li><li>– Produced a high-quality research paper on the dataset and models used for sepsis prediction.</li></ul></li></ul>	Apr. - May 2023
• <b>Open Source Vietnamese Keyboard for Keyman Input Method Editor</b> 🔗 miketvo/keyboards   🔗 miketvo/vn-kmn-compiler <ul style="list-style-type: none"><li>• <b>Languages and Frameworks:</b> Python, Keyman Keyboard Language</li><li>• <b>Responsibilities:</b> Worked with Keyman administrators, developers, and its user community on keyboard development, maintenance, and deployment within an international open-sourced collaborative environment.</li><li>• <b>Achievements:</b><ul style="list-style-type: none"><li>– Developed Python scripts to generate exhaustive syllable-based Telex and VNI keystrokes configurations by automatically analyzing and extracting data from Vietnamese dictionaries. Related project: 🔗 Telex based Han Nom input method schema generator.</li><li>– Both Telex and VNI keyboard versions combined has over 35.000 accumulative downloads on Keyman website as of 2024: 🌐 Keyman - Vietnamese Telex   🌐 Keyman - Vietnamese VNI.</li></ul></li></ul>	Feb. 2022 - Feb. 2023
• <b>Online Client Portfolio</b> 🌐 duonghanhi.netlify.app <ul style="list-style-type: none"><li>• <b>Languages and Frameworks:</b> JavaScript, Gatsby, PostCSS</li><li>• <b>Responsibilities:</b> Worked remotely with the client to design and develop a brand-conscious, user-friendly, and responsive portfolio landing page.</li><li>• <b>Achievements:</b> Developed an interactive and attractive online portfolio to showcase the client’s teaching experience, hosted using a distributed CDN and registered to a unique domain name for nearly 2 years.</li></ul>	Jun. - Jul. 2021

SKILLS

• <b>Programming:</b> Python, SQL, Java, C/C++, JavaScript, PHP, HTML/CSS, Lua, Bash, Batch, Powershell, TeX
• <b>Technologies:</b> Tensorflow, Keras, Pillow, Scikit-Learn, Pandas, React, Gatsby, NextJS, Vite, Express, MongoDB, MySQL
• <b>Tools:</b> Jira, GitHub, BitBucket, Git, Vim, VS Code, Linux, Jupyter Lab/Notebook, JetBrains IDEs, Figma, Illustrator
• <b>Languages:</b> Vietnamese (Native), English (Bilingual)