

EDUCATION

- RMIT University Vietnam**
Bachelor of Information Technology in Artificial Intelligence; GPA: 3.50
 - Seattle Central College**
Associate of Liberal Arts and Sciences; GPA: 3.00

Ho Chi Minh City, Vietnam

Oct. 2020 – Expected: Mar. 2025












Seattle, WA, United States

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

- 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
 - Responsibilities:**
 - Coordinated and executed project timeline as the Project Lead and SCRUM Master.
 - Served as the lead database architect for the project’s relational and NoSQL databases.
 - Achievements:**
 - 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.
 - Successfully deployed and integrated the application MySQL and MongoDB database with its backend and frontend components using REST API.
 - Flower Classification and Recommendation System**
 [miketvo/rmit2023a-cosc2753-assignment2](#) |  *Dataset: Kaggle - miketvo/rmit-flowers*
 - Languages and Frameworks:** Python, Keras, Tensorflow, Scikit-Learn, Pillow
 - Responsibilities:** Led student research team to produce a high-quality research paper on the subject matter.
 - Achievements:** Produced an in-house CNN solution for feature extraction and a robust flower image classification and recommendation pipeline ready for deployment with an accuracy score of 0.7.
 - Sepsis Prediction Model**
 [miketvo/rmit2023a-cosc2753-assignment1](#) |  *Dataset: Kaggle - chaunguynghunh/sepsis*
 - Languages and Frameworks:** Python, Scikit-Learn, Pandas, Seaborn
 - Responsibilities:** Served as the solo data scientist and researcher for the assignment project.
 - Achievements:**
 - Achieved a F_1 score of 0.86 using the Bagged Tree algorithm and robust data cleaning and preprocessing pipeline.
 - Produced a high-quality research paper on the dataset and models used for sepsis prediction.
 - Open Source Vietnamese Keyboard for Keyman Input Method Editor**
 [miketvo/keyboards](#) |  [miketvo/vn-kmn-compiler](#)
 - Languages and Frameworks:** Python, Keyman Keyboard Language
 - Responsibilities:** Worked with Keyman administrators, developers, and its user community on keyboard development, maintenance, and deployment within an international open-sourced collaborative environment.
 - Achievements:**
 - 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.
 - Both Telex and VNI keyboard versions combined has over 35.000 accumulative downloads in total on Keyman website as of 2024:  Keyman - Vietnamese Telex |  Keyman - Vietnamese VNI.
 - Online Client Portfolio**
 [duonghanhi.netlify.app](#)
 - Languages and Frameworks:** JavaScript, Gatsby, PostCSS
 - Responsibilities:** Worked remotely with the client to design and develop a user-friendly, responsive, and brand-conscious portfolio landing page.
 - Achievements:** Successfully highlighted the client’s teaching experience with an interactive and attractive online portfolio, hosted using a distributed CDN and registered to a unique domain name that the client kept for close to 2 years.

Aug. - Sep. 2023

May - Jun. 2023

Apr. - May 2023

Feb. 2022 - Feb. 2023

Jun. - Jul. 2021
- SKILLS
- Programming:** Python, SQL, Java, C/C++, JavaScript, PHP, HTML/CSS, Lua, Bash, Batch, Powershell, TeX
 - Technologies:** Tensorflow, Keras, OpenCV, Pandas, React, Gatsby, NextJS, ViteJS, ExpressJS, MongoDB, MySQL
 - Tools:** Jira, GitHub, BitBucket, Git, Vim, VS Code, Linux, Jupyter Lab/Notebook, JetBrains IDEs, Figma, Illustrator
 - Languages:** Vietnamese (Native), English (Bilingual)