

EDUCATION

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| • RMIT University Vietnam <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> |
| • Seattle Central College <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

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| • Full-stack E-commerce Web Application (React/Node/RDBMS/NoSQL) 🔗 miketvo/rmit-isys2099-group9-app <ul style="list-style-type: none">◦ Languages and Frameworks: NodeJS, Express, Mongoose, Vite, React, Bootstrap, Axios, MySQL, MongoDB◦ Responsibilities:<ul style="list-style-type: none">– Led the project as the Project Lead and SCRUM Master, coordinating and executing the project timeline.– Served as the lead database architect for the project’s relational and NoSQL databases.◦ Achievements:<ul style="list-style-type: none">– 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’s MySQL and MongoDB databases with its backend and frontend components using REST API. | Aug. - Sep. 2023 |
| • Flower Classification and Recommendation System 🔗 miketvo/rmit2023a-cosc2753-assignment2 📄 <i>Dataset: Kaggle - miketvo/rmit-flowers</i> <ul style="list-style-type: none">◦ 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 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. | May - Jun. 2023 |
| • Sepsis Prediction Model 🔗 miketvo/rmit2023a-cosc2753-assignment1 📄 <i>Dataset: Kaggle - chaunguynghunh/sepsis</i> <ul style="list-style-type: none">◦ Languages and Frameworks: Python, Scikit-Learn, Pandas, Seaborn◦ Responsibilities: Served as the solo data scientist and researcher for the assignment project.◦ Achievements:<ul style="list-style-type: none">– Achieved a F_1 score of 0.86 using the Bagged Tree algorithm and implementing a robust data cleaning and preprocessing pipeline.– Produced a high-quality research paper on the dataset and models used for sepsis prediction. | Apr. - May 2023 |
| • Open Source Vietnamese Keyboard for Keyman Input Method Editor 🔗 miketvo/keyboards 🔗 miketvo/vn-kmn-compiler <ul style="list-style-type: none">◦ 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:<ul style="list-style-type: none">– 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.– 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. | Feb. 2022 - Feb. 2023 |
| • Online Client Portfolio 🌐 duonghanhi.netlify.app <ul style="list-style-type: none">◦ Languages and Frameworks: JavaScript, Gatsby, PostCSS◦ Responsibilities: Worked remotely with the client to design and develop a brand-conscious, user-friendly, and responsive portfolio landing page.◦ Achievements: 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. | Jun. - Jul. 2021 |

SKILLS

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