Tuong-Minh (Mike) Vo
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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

Database Application, Web Development, Fullstack Development, User-centered Design, Data Structures and Algorithms, Software Engineering Design, Building IT Systems, Machine Learning, Practical Data Science

Projects

- **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 and brand-conscious UI/UX using Agile project management methodologies.
- **Browser Game**
  miketvo.github.io/404-page
  - **Languages and Frameworks**: JavaScript, Phaser 3, Box2D, Webpack
  - **UI/UX Design**: Helped lead my team develop a simple HTML game loaded onto the user's device whenever they encounter a 404 NOT FOUND error on my personal website. Repurposed from coursework project for COSC2083. Currently hosted using GitHub Pages.
- **Open Source Vietnamese Keyboard for Keyman Input Method Editor**
  miketvo/keyboards | *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 for the Keyman Keyboard Language from scraped dictionary of Vietnamese word.
  - **Open-source Collaboration**: Collaborated via GitHub with Keyman developers, managers, and user community to address bugs and deployment issues on Keyman App's established architecture.
  - **Deployment**: Both Telex and VNI versions combined achieved over 34,000 downloads in total on Keyman website.
- **Imdupes**
  Open-source versatile image deduplicator inspired by fdupes | *miketvo/imdupes*
  - **Languages and Frameworks**: Python, PyInstaller, Pillow, NumPy
  - **Innovative Perceptual Hashing**: Achieved high-performance differentiating capability for images with transparency and minor differences by developing an in-house image hashing algorithm that utilizes both traditional perceptual hashing techniques and color histogram.
  - **Deployment**: Successfully deployed the application on Homebrew and Scoop package managers for quick-and-easy cross-platform installation process on MacOS, Linux, and Windows.
- **Sepsis Prediction Model**
  miketvo/rmit2023a-cosc2753-assignment1 | *Dataset: Kaggle - chaunguynnghunh/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.

Skills

- **Languages**: Python, SQL, Java, C/C++, JavaScript, PHP, HTML/CSS, Lua, Bash, Batch, Powershell, TeX
- **Technologies**: React, GatsbyJS, NextJS, Vite, MongoDB, MySQL, Express, Tensorflow, Keras, scikit-learn, Pandas
- **Tools**: Jira, Git, Vim, Visual Studio Code, Linux, Jupyter Lab, Jupyter Notebook, Jetbrains IDEs