Tuong-Minh (Mike) Vo

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EDUCATION

RMIT University Vietnam
Bachelor of Infomation Technology in Artificial Intelligence; GPA: 3.50

Ho Chi Minh City, Vietnam
Oct. 2020 – Expected: Mar. 2025

Seattle Central College
Associate of Liberal Arts and Sciences; GPA: 3.00

Seattle, WA, United States
Sep. 2016 – Aug. 2017

RELEVANT COURSEWORK

Database Application, Web Development, Fullstack Development, Software Engineer Project Management, Data Structures and Algorithms, Software Engineering Design, Building IT Systems

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, ExpressJS, MongoDB, MySQL, JUnit, scikit-learn, Pandas
- **Tools**: Jira, Git, Vim, Visual Studio Code, Linux, Jupyter Lab, Jupyter Notebook, Jetbrains IDEs