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, Data Structures and Algorithms, Software Engineering Design, Building IT Systems, Computing Theory, Calculus I.

PROJECTS

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.

DsvCol
*Open-source cross-platform CLI-application pretty-printing delimiter separated value files | * *miketvo/dsvcol*
- **Languages and Frameworks**: C, CMake, Bash, PowerShell

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-concious UI/UX using Agile project managament methodologies.

Flower Classification and Recommendation System
 miketvo/rmit2023a-cosc2753-assignment2 | *Dataset: Kaggle - miketvo/rmit-flowers*
- **Languages and Frameworks**: Python, Keras, Tensorflow, Scikit-Learn, Pillow
- **Model Development and Deployment**: Developed an in-house CNN solution for feature extraction and a robust flower image classification and recommendation pipeline with an accuracy score of 0.7.
- **Leadership**: Led student research team to produce a high-quality research paper on the subject matter.

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**: MongoDB, MySQL, GatsbyJS, NextJS, Vite, Express, Tensorflow, Keras, OpenCV, Pandas, React
- **Tools**: Jira, Git, Vim, Visual Studio Code, Linux, Jupyter Lab, Jupyter Notebook, Jetbrains IDEs