Tuong-Minh (Mike) Vo

 miketvo | in miketvo | 🌐 miketvo.com

Email: miketvo@outlook.com
Mobile: (84)-385-892-705

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

RELEVENT COURSEWORK

Software Engineering Design (C++), Data Structures and Algorithms, Security in Computing and Information Technology, Fullstack Development, Web Development, Database Application, Machine Learning, Practical Data Science, Computing Theory, Artificial Intelligence

PROJECTS

DsvCol
Open-source cross-platform CLI-application pretty-printing delimiter separated value files | miketvo/dsvcol
- **Languages and Frameworks**: C, CMake, Bash, PowerShell
- **Cross-platform Build Support**: Developed cross-platform CMake build system for both Linux and Windows.

Imdupes
Open-source versatile image deduplicator inspired by fdupes | miketvo/imdupes
- **Languages and Frameworks**: Python, PyInstaller, Pillow, NumPy, Python unittest
- **Innovative Perceptual Hashing**: Developed a high-performance and efficient in-house image hashing algorithm that utilizes both traditional perceptual hashing techniques and color histogram.
- **Deployment**: Deployed the application on Homebrew and Scoop package managers for cross-platform installation process on MacOS, Linux, and Windows.

Open Source Vietnamese Keyboard for Keyman Input Method Editor
 miketvo/keyboards | *miketvo/vn-kmn-compiler* | 🌐 *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 from dictionary of Vietnamese words. Related project: Telex based Han Nom input method schema generator.
- **Open-source Collaboration**: Worked with Keyman developers and user community on keyboard deployment.
- **Deployment**: Both Telex and VNI versions combined has over 35.000 downloads in total on Keyman website.

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.
- **Research Writing**: Produced a high quality research paper on the dataset and models used for sepsis prediction as part of the assignment.

Full-stack E-commerce Web Application
 miketvo/rmit-isys2099-group9-app
- **Languages and Frameworks**: NodeJS, Express, Mongoose, Vite, React, Bootstrap, Axios, MySQL, MongoDB
- **Leadership**: Utilize Agile methodology to lead a team of student of multiple specializations.
- **Database Design**: Worked as the lead relational database architect to help deploy and integrate the application database with the backend server and the frontend using REST API.

Online Client Portfolio
🌐 *duonghanhi.netlify.app*
- **Languages and Frameworks**: JavaScript, Gatsby, PostCSS
- **UI/UX Design**: Worked remotely with the client to Designe and develop a user-friendly, responsive, and brand-conscious portfolio landing page.

SKILLS

- **Programming**: Python, JavaScript, SQL, Java, C/C++, HTML/CSS, Lua, Bash, Batch, Powershell, TeX
- **Technologies**: ReactJS, GatsbyJS, NextJS, Vite, ExpressJS, FastAPI, MySQL, MongoDB, Tensorflow, Keras, Pandas
- **Tools**: Jira, Git, Vim, Visual Studio Code, Postman, Linux (Ubuntu & Arch), Jupyter Lab/Notebook, Jetbrains IDEs
- **Languages**: Vietnamese (Native), English (Bilingual)