Tuong-Minh (Mike) Vo

 miketvo | miketvo | miketvo.com

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

EDUCATION

- **RMIT University Vietnam**
  Bachelor of Information 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

RELEVENT COURSEWORK

Machine Learning, Practical Data Science, Database Application, Web Development, Fullstack Development, Data Structures and Algorithms, Computing Theory, Artificial Intelligence, Software Engineering Design

PROJECTS

- **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.

- **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.

- **Full-stack E-commerce Web Application**
   miketvo/rmit-isys2099-group9-app
  - **Languages and Frameworks**: NodeJS, Express, Mongoose, Vite, ReactJS, 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 the application database.

- **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.

- **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 automated analysis and extraction of Vietnamese dictionaries. 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.

- **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 novel high-performance and efficient in-house image hashing algorithm that utilizes both traditional perceptual hashing techniques combined with color histogram analysis, which has never been done before.
  - **Deployment**: Deployed the application on Homebrew and Scoop package managers for cross-platform installation process on MacOS, Linux, and Windows.

SKILLS

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