Tuong-Minh (Mike) Vo
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Education

- **RMIT University Vietnam** — Ho Chi Minh City, Vietnam
  Bachelor of Infomation 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

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

Projects

- **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.
- **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.
- **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 35,000 downloads in total on Keyman website as of 2024.
- **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.

Skills

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