Tuong-Minh (Mike) Vo

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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

Database Application, Machine Learning, Practical Data Science, 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)

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February 14, 2024

Dear Hiring Manager,

My name is Mike Vo. I am writing to express my interest in applying for the Data Analyst Intern position at GenKin. Currently pursuing a Bachelor degree in Information Technology with specialization in Artificial Intelligence & Data Analytics at RMIT University Vietnam, and anticipating graduation in early 2025, and having a strong interest in Japanese culture, language, and products, I am excited about the opportunity to contribute my skills and enthusiasm to your team.

In my academic journey, I have gained a solid foundation in Machine Learning, Practical Data Science, and Artificial Intelligence. Through these academic experience, I have gained strong analytical and research skill, along with a keen attention to detail. I am constantly striving to improve and learn more about new developments in data analysis and modelling, and my eager-to-learn outlook allows me to learn and develop throughout my academic and professional career. Furthermore, combined with my experience aiding in creating data dashboard using VBA for my family business in the past, I am confident in my ability to adapt to a multitude of tools and leverage my data science knowledges to contribute practical solutions for your team.

As a proactive learner and team player, I have successfully completed various projects, ranging from machine learning classification and recommendation system to open-source software and web development. One notable achievement is my work on the Flower Classification and Recommendation System course project at RMIT University Vietnam, where I worked as the lead researcher and machine learning specialist of my team, utilizing convolutional neural network and deep learning to achieve a good performance result on our flower classification model. This has strengthen my skill to work both independently and in a collaborative team environment, with a strong focus on the data science knowledge of data analysis, classification algorithms, and clustering algorithms.

Thank you for your time and consideration. I look forward to the opportunity of contributing to and learning at GenKin.

Best regards,
Tuong-Minh (Mike) Vo