Tuong-Minh (Mike) Vo

 miketvo | miketvo | miketvo.com

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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

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

PROJECTS

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.

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.

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.

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.

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 designer to help deploy the application database.

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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Ngày 13 tháng 2 năm 2024

Dear Hiring Manager,

My name is Mike Vo. I am writing to express my interest in applying for the Information Technology Intern (posted on JobsGo in Vietnamese as Nhân Viên It - Lập Trình Viên) position at IDFL Vietnam. 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, 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 Full-stack Web Development, Machine Learning, and Practical Data Science. Through these academic experience, I have gained a deep understanding of the software development lifecycle, deployment, and the importance of software documentation and software engineering project management processes. Furthermore, through my academic and personal project, I have accumulated extensive working experience with Windows, Ubuntu, and Arch Linux in setting up toolchains, build systems, and automated RPA scripts on these environment.

As a proactive learner and team player, I have successfully completed various projects, ranging from data anlysis project to open-source software and full-stack web development. One notable achievement is my contribution to the development of two Open Source Vietnamese Keyboards for the Keyman Input Method Editor. Through collaboration with Keyman developers, managers, and the user community via GitHub, I developed, tested, deployed, and maintained two keyboards implementing the two popular Vietnamese Telex and VNI keyboard input schemes. Both keyboard versions combined achieved significant traction with over 35,000 downloads on the Keyman website as of 2024, making a tangible impact in the Keyman open-source community. This has strengthen my skill to work both independently and in an international team environment with a strong focus on communication with the stakeholders, critical thinking, adaptability, and independent problem solving.

Thank you for your time and consideration. I look forward to the opportunity to contribute and learn at IDFL Vietnam.

Best regards,
Tuong-Minh (Mike) Vo