

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

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

- **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.
- **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.
- **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.
- **Sepsis Prediction Model**
📧 miketvo/rmit2023a-cosc2753-assignment1 | 📊 Dataset: Kaggle - chaunguynghunh/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 (React/Node/RDBMS/NoSQL)**
📧 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:** BeautifulSoup, Pandas, Tensorflow, Keras, Scikit-Learn, FastAPI, NodeJS, React, MySQL, MongoDB
- **Tools:** Jira, Git, Vim, VS Code, Postman, Linux, Jupyter Lab/Notebook, PyCharm, Adobe XD, Adobe Illustrator
- **Languages:** Vietnamese (Native), English (Bilingual)

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February 21, 2024

Dear Hiring Manager,

My name is Mike Vo. I am writing to express my interest in applying for the IT / Web Scrapping / QA Tester Internship / A.I. Automation position at SEEKKA Technologies. 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 projects, I have accumulated extensive working experience with MongoDB, MySQL, NodeJS, and building and deploying RESTful APIs. I believe my set of skills makes me a strong candidate for this position.

As a proactive learner and team player, I have successfully completed various projects, ranging from data analytics 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 SEEKKA Technologies.

Best regards,
Tuong-Minh (Mike) Vo