Minh Tai Le

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EDUCATION

M.S. Software Engineering, San Jose State University   Expected May 2025
Relevant Courses: Data Mining, Enterprise Software Platform, Software Systems Engineering

B.S. Computer Science, California Polytechnic State University, San Luis Obispo   Sep 2021 - Jun 2023
Relevant Courses: Data Structures, Object-Oriented Programming, Database System, Deep Learning, System Programming, Distributed Computing, Operating System

SKILLS

Languages	Python, Java, Javascript, C/C++, SQL (MySQL), No-SQL (MongoDB)
Frameworks/ Libraries	Tensorflow, Pytorch, React.js, Node.js, Apache Spark, Jest, JUnit
	Hadoop MapReduce,
Tools/ Platforms	Git, Unix/Linux, Figma, RestAPI, Visual Studio Code, Docker, AWS

PROJECTS

Retention Analysis - Software Engineer   Jan 2023 - March 2023

- Built a Neural Network model using Tensorflow, Numpy, and Matplotlib to predict the employee attrition status of an employee within that year
- Improved Deep Learning algorithm, resulting in a 20% increase in the accuracy of the model
- The model yields a result of 90% accuracy, using a small dataset on Kaggle with 1400+ entries

Collaborative Filtering - Software Engineer   Jan 2023 - March 2023

- Implemented a collaborative filtering algorithm with 2 different approaches: item-based and user-based, using Jackson library to parse data and Java to predict the rating for the restaurants on Yelp
- Optimized the algorithm, resulting in a 15% increase in the execution speed
- The algorithm yielded the output of 85% and 90% accuracy, respectively, compared to the result from the dataset using both approach Item-based and User-based using a 6 million entry dataset on Yelp

Perspektive - Back-end Software Engineer   Sep 2022 - Dec 2022

- Led an agile team of 4 Computer Science Students, designed and built a fully functional social media web application for collaborative use
- Designed system following SOLID design pattern
- Implemented RestAPIs for back-end with database for web applications using Node.js and Mongoose and deployed using Azure Web Service
- Implemented CI/CD for automated code integration and deployment, ensuring frequent and reliable updates, and embraced TDD methodology by writing comprehensive unit tests for code quality and early issue identification.

School Management System - Software Engineer   Jun 2023 - July 2023

- Built the front end using JavaFX and CSS, and back end with Java, and the database using MySQL
- Implemented the desktop app with the following features: user login, add, search, and delete students and professors from the record to keep track of each student, manage classes