

Minh Tai Le

+1 (408) 429-9459 ♦ San Jose, CA

minhtai.le@sjsu.edu ♦ linkedin.com/in/taiminhle4920 ♦ www.taile.dev

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, C/C++, Javascript

Frameworks/ Libraries

Tensorflow, Pytorch, React.JS, Express.JS, Apache Spark, Hadoop MapReduce, Jest, JUnit

Databases

MySQL, MongoDB, PostgreSQL

Tools/ Platforms

Git, Unix/Linux, Figma, RestAPI, Visual Studio Code, Docker

EXPERIENCE

Police Student Aide

Aug 2020 - Mar 2021

De Anza Police Department

Cupertino, CA

- Regulating traffic on campus and enforcing parking structure
- Handled a variety of administrative tasks and filed paperwork.

PROJECTS

Retention Analysis 🔗

- Built a Neural Network model using Tensorflow, Numpy, and Matplotlib to predict the employee attrition status of an employee within that year.
- Improving the 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.

Perspektive 🔗

- Led a team of 3 Computer Science Students, designed and built a fully functional social media web application for collaborative use.
- Implemented RestAPIs for back-end and database for web applications using Express.js and Mongoose and deployed using Azure Web Service.
- Enhancing system responsiveness, reducing task processing time by 20% under heavy workloads.

Collaborative filtering 🔗

- 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 yields 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.

School Management System 🔗

- Built the front end using JavaFX and CSS, the back end with Java and JDBC, database using MySQL.
- The desktop app will have the user log in, add, search, and delete students from the record to keep track of each student.