# NHIEN (RICKY) LAM

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## EDUCATION

**San José State University**                                                                                                San José, CA
**Bachelor of Science, Computer Science**                                                          Graduation: May 2022
- GPA: **3.84/4.00**
- Relevant Coursework: Data Structures and Algorithms, Software Engineering, Server-side Web Programming, Object-Oriented Design, Database Management Systems, Operating System, Computer Architecture
- Honors and Awards: President's Scholar (**Top 10%**), Honor Society of Phi Kappa Phi, Dean's Scholar

## SKILLS

- Programming Languages: Java | JavaScript | Python | PHP | HTML | CSS | C++
- Technologies: Git | GitHub | Linux | Trello | Adobe XD
- Database: MySQL | SQLite

## WORK EXPERIENCE

**STEM-Away**                                                                                                                San José, CA
**Full-Stack Developer Intern**                                                                              June 2021 - August 2021
- Worked in a team of **6** interns to design and build a Reply Voting Plugin for the open-source forum, **Discourse**
- Developed frontend, implemented vote buttons for users to vote, and displayed vote count to users
- Developed backend and created a customs setting to enable and disable the plugin
- Set up routes between frontend and backend and created Ajax requests to the backend
- Presented and gave a demo to Discourse experts and STEM-Away mentors
- Gained experience and knowledge in **JavaScript**, **Ember.js**, **Ajax**, **Handlebar.js**, **HTML**, **SCSS**, **Ruby**, **Rails**, **Git**

**San José State University**                                                                                                San José, CA
**Teaching Assistant**, SJSU Department of Computer Science                                August 2020 - Present
- Supervise and assist classes of **180** students - Introduction to Data Structures
- Debug and grade homework/projects in **Java**
- Hold code demo sessions to do live code review with students, explain errors, and provide constructive feedback regarding best practices in programming
- Solidify students' foundational knowledge in **Data Structures** by clarifying any misunderstood concepts and answering questions online

## PROJECTS

**iBooking - Hotel Booking Android Application**                                        February 2021 - May 2021
- Led a team of **4** to design and build a hotel booking android application using **Java**, **SQLite**, and **Android Studio**
- Allowed users to find available hotels by cities and make secure online reservations through Android phones
- Implemented user homepage, confirmation page, and data models
- Reviewed code and requested further changes before merging pull requests

**Google Search Engine Simulator**                                                            October 2020 - December 2020
- Designed and implemented a micro version of Google Search Engine Simulator using **Java**
- Allowed users to search for keywords and rank each website
- Sorted lists of websites using Heapsort and stored in the Priority Queue based on ranks

**Learning Disability Predictor,** IBM Hackathon                                        July 2020 - September 2020
- Worked in a team of **5** to design and build a web application for teachers to run quick tests on students to predict whether they have learning disabilities using **Python**, **JavaScript**, **React.js**, **HTML**, **CSS,** and IBM technology
- Deployed a predictive model with an accuracy up to **93.1%** using **IBM AutoAI** and **Watson Machine Learning**
- Presented the product to a panel of **4** judges from IBM and received **Top 3** Completeness and Presentation Award
- Gained experience and knowledge in leadership, machine learning, data analysis, IBM technology, **Git** version control