# NHIEN (RICKY) LAM

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## EDUCATION

**San Jose State University** San Jose, CA
**Bachelor of Science, Computer Science** Graduation: June 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 | HTML | CSS | Python | PHP | C++
- Technologies: Git | React | GitHub | Linux | Zenhub | Cypress | Docker | Postman
- Database: MySQL | SQLite | MongoDB

## WORK EXPERIENCE

**STEM-Away** San Jose, 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 Jose State University** San Jose, 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 answering questions online

## PROJECTS

**CheckingN - Tutor Scheduling System** August 2021 - December 2021

- Led a team of **6** to design and build a tutor scheduling web application using **React**, **JavaScript, Go**, and **MongoDB**
- Allowed users to create accounts, sign in, book appointments, and manage appointments
- Utilized **Google APIs** and **Zoom API** to allow users to login with Google account, add appointment information to Google Calendar, and create Zoom online meetings
- Designed and implemented the frontend of homepage, sign-up, sign-in, Google login, and confirmation pages
- Containerized and deployed servers with **Docker**

**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

**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, rank each website, and sort lists of websites 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**, **React**, **JavaScript**, **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