

NHIEN (RICKY) LAM

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EDUCATION

San Jose State University

San Jose, CA

B.S. Computer Science | GPA: **3.84/4.00**

Graduation: June 2022

- Relevant Coursework: Data Structures and Algorithms, Software Engineering, Server-side Web Programming, Object-Oriented Design, Database Management Systems (SQL/NoSQL), Operating System, Information Security
- 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 | Docker | Postman | Cypress | Zenhub
- Database: MySQL | SQLite | MongoDB

WORK EXPERIENCE

San Jose State University

San Jose, CA

Data Structures Teaching Assistant

August 2020 - Present

- Supervise and assist classes of **180** students - Introduction to Data Structures
- Debug and grade homework/projects in **Java**
- Organize and hold code demo sessions to do live code reviews with **90** students, explain errors, and provide constructive feedback regarding best practices in programming
- Average final results for Fall 20, Spring 20, and Fall 21 classes were **+70%**

STEM-Away

San Jose, CA

Full-Stack Developer Intern

June 2021 - August 2021

- Designed and built 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
- Created a custom 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**

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**
- Implemented user authentication and appointment scheduling features
- 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 developed the frontend of homepage, sign-up, sign-in, Google login, and confirmation pages
- Automated backend and frontend test cases using **Postman** and **Cypress**
- 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