Thomas Ly
Full Stack Software Engineer

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Technical Skills

Frontend Skills: JavaScript | React | Redux | HTML5 | CSS3 | VanillaJS | Webpack | Node.js

Backend Skills: Ruby | Ruby on Rails | Mongoose | MongoDB | Express.js | SQL | SQLite3 | PostgreSQL

Relevant Skills: Object Oriented Programming (OOP) | Data Structures and Algorithms | Google Maps API | ChatGPT API | Amazon Web Services (AWS) | Chrome Dev Tools | Git | Heroku | Bash

PROJECT EXPERIENCE

BoulderUp | Javascript | HTML | CSS | Webpack | jQuery | Google Maps Api
BoulderUp is a web application displaying data on bay area boulder locations and difficulties. **GitHub** \\ **Live**
- Integrated ChartJs external library to visualize bouldering data and provide users controls to filter data to their liking.
- Utilized Google Maps Api to interact with ChartJS to show specific data in accordance to user filters.

NomadBnB | React **|** Redux | Ruby on Rails | Javascript | PostgreSQL | HTML | CSS | Webpack | Amazon S3 | Heroku **|** Google Maps Api
NomadBnB, a Airbnb Clone, allows users to make reservations and reviews at rental locations. **GitHub** \\ **Live**
- Incorporated a reviews and reservation system using Ruby on Rails as a RESTful api connected to a PostgreSQL database.
- Utilized React and Jbuilder to control changes of state to give the frontend the appropriate data needed.
- Integrated active record queries to optimize data filtering and reduce data fetching runtimes.

Don'trip | React | Redux | Javascript | MongoDB | Express.js | Node.js | HTML | CSS | Webpack | Heroku | Chat Gpt Api **|**
Don'trip is a web application allowing users to plan a vacation itinerary with the help of ChatGPT. **GitHub** \\ **Live**
- Incorporated Chat Gpt API to receive requests from users and give real time responses.
- Utilized React and CSS to create an interactive user experience.
- Integrated express as a backend API to manage user information.

WORK EXPERIENCE

CK Mathletes | *Math Enrichment Teacher* **|** Los Altos, CA   **August 2022 – March 2023**
- Created curriculum to teach creative mathematical problem solving, in 6 schools, taught to over 100 students.
- Cultivated students with weekly 1-on-1 meetings to discuss their progress and how they can improve moving forward.
- Consulted guardians to maximize learning opportunities and improve students' skills at home.

Yerba Buena High School | *Avid Tutor* **|** San Jose, CA   **August 2019 – March 2023**
- Created targeted lesson plans to help over 50 students understand the required material.
- Mentored over 100 students to identify and achieve goals to improve grades and stay on track to graduate high school.
- Partnered with teachers to create an optimal learning environment by adding structure and organization, leading to an average 20% grade increase.

EDUCATION

App Academy \\ Full Stack Web Development   **Completed 07/2023**
- Full-stack software engineering program, where I learned how to use languages and programs such as HTML, CSS, JavaScript, Ruby on Rails, React, Express.js and SQL. The program's curriculum also trained skills such as creative problem solving and collaboration.