

Samuel Song

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SKILLS

JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, PostgreSQL, AJAX, Axios, Webpack, Nodemon, Socket.io, AWS S3, ChartJS, Git, Heroku

PROJECTS

MyTrails | *(React/Redux, Rails 5, Google API, PostgreSQL, AJAX)*

- Built a copy of AllTrails.com as a single-page app for a seamless user experience navigating the website.
- Created RESTful routes and CRUD actions for user auth, users, lists, and reviews that perform AJAX requests to a PostgreSQL database as well as incorporated AWS S3 for user images.
- Incorporated Google Maps API to display search results with icons.
- Incorporated OpenWeatherMap API to display a 5 day forecast of the weather for trails being viewed.

Account-A-Buddy | *(React/Redux, Node Express.js, MongoDB, Mongoose, Socket.io, Axios)*

- Formed a team to design an original app that matches users with an accountability partner for their goals. The UX was a challenge but with my team we achieved a simple and easily accessible app that is user focused.
- Created RESTful routes and CRUD actions for user auth, users, goals, and rooms that perform axios requests to a MongoDB database.
- Devised a solution for matching users based on goal categories.
- Utilized Socket.io to implement the user live chat functionality between accountability partners.

Poke Viser | *(HTML, CSS, JavaScript, ChartJS, PokeAPI, Webpack)*

- Used Vanilla JavaScript to create a single-page app.
- Built a data visualization app to dynamically display stats, damage relations, and relative sizes of Pokemon
- Implemented autosuggestion for search results based on live user input.
- Devised filters for search results.

EXPERIENCE

Junior Instructional Assistant

App Academy

May 2021 - Present

- Teach highly motivated adults from around the country Full Stack Web Development which includes Ruby, Ruby on Rails, JavaScript, HTML, CSS, SQL, PostgreSQL, React, Redux, AJAX, Axios, MongoDB, Mongoose, Node.js and Express.js, Git, Webpack, and Nodemon.
- Give lectures once a week and help students through daily coding projects and answer their questions.
- Analyze student code and guide students to help them debug their own code.
- Lead a group of students as their advisor for their Vanilla JavaScript project, Full Stack project, and MERN Stack project.

Peace Corps Volunteer - Youth, Family, and Community Development Program

Peace Corps

Aug 2018 - May 2020

- Conducted a three month long community diagnostic with youth and adults using interviews, surveys, SWOT analysis, community mapping, and network mapping in order to assess what services I could provide.
- Collaborated with high school staff to provide seminars on career planning, goal setting, pregnancy prevention, healthy relationships, mural painting, disaster preparedness, and classroom management.
- Collaborated with the Community Technology Center to organize 11 fun summer activities for local children and to start a nature club to teach environmental sciences through hands-on learning.
- Collaborated with three educational institutions to teach weekly English classes.

Lead Mental Health Technician

Fairfax Behavioral Health

Dec 2015 - Jun 2018

- Redesigned the patient belongings inventory process over a six month period, trained all employees on the new protocols, and oversaw its rollout on seven hospital units.
- Lead daily programs, wrote progress notes, monitored safety, vitals, intake, and output, and performed EKGs.
- Trained employees on how to effectively carry out all duties of a mental health tech and maintain patient safety.

EDUCATION

University of Michigan - *BS Psychology | Applied Statistics 2015*

App Academy – *Highly selective web development program with a 3% acceptance rate. 2021*