

# Samuel Song

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## SKILLS

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

## PROJECTS

[MyTrails](#) | (React/Redux, Rails 5, Google API, OpenWeatherMap API, PostgreSQL, AJAX)

- Built a clone of AllTrails where users can create an account, search for hiking trails using a search bar or a map, view trail details, write reviews for trails, create lists, and add trails to those lists.
- Created RESTful routes and CRUD actions for user auth, users, trails, lists, and reviews that perform AJAX requests to a PostgreSQL database as well as incorporated AWS S3 for user images.
- Incorporated GoogleMaps and OpenWeatherMap to display trails on a map and 5 day forecasts for viewed trails.

[PokeViser](#) | (HTML, CSS, JavaScript, ChartJS, PokeAPI, Webpack)

- Developed a data visualization project where users can search for Pokemon, select up to six at one time, and view images, base stats, info texts, typings, damage relations, and relative sizes.
- Designed the project to be a single-page web application using only VanillaJS DOM manipulation.
- Converted fetched data from PokeAPI to separate project files from which the app reads data and saves in frontend storage thus improving performance speed by a factor of 10-20.

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

- Created an original web app where users can create an account, create goals, record daily reactions to those goals, and match with other users to chat live in order to keep each other accountable for each other's goal.
- Utilized RESTful routes and CRUD actions for user auth, users, goals, subgoals, daily reactions, chat rooms, and chat messages that use Axios to make requests to a MongoDB database.
- Was the team lead, oversaw the full development of the project, and was responsible for building the live chat.

## EXPERIENCE

### Junior Instructional Assistant

App Academy

Aug 2021 - Present

- Teach Full Stack Web Development to adults remotely through Zoom. Technologies include HTML, CSS, JS, Ruby, SQL, React, Redux, Ruby on Rails, Express.js, Git, and more.
- Deliver lectures once a week and help students through daily coding projects and debugging.
- Advise groups of students for their VanillaJS project, Full Stack project, and MERN Stack project.

### Mental Health Technician

Seattle Children's Hospital

June 2020 - Mar 2020

- Lead groups of patients through daily programming while recording progress, safety, vitals, intake, and output.
- Carried out individualized patient treatment plans and communicated with parents any significant events.
- Followed protocols and used effective teamwork to de-escalate patients and maintain safety in the hospital.

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

US Peace Corps

Aug 2018 - May 2020

- Conducted interviews, surveys, SWOT analysis, and more to understand community needs.
- Collaborated with the high school, technology center, vocational center, and Catholic church to provide classes on career planning, sex ed, classroom management, internet safety, nature conservation, music, and more.
- Initiated a weekly exercise group and made plans with the local government to build a public gym facility.

### 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.
- Guided 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