SAM WANG

SOFTWARE ENGINEER

CONTACT

(626) 679-6713

sam.zz.wang@gmail.com

San Francisco, CA

www.github.com/samwzz

www.linkedin.com/in/sam-wang-665980139

SKILLS

- Ruby
- Ruby on Rails
- JavaScript
- jQuery
- React.js
- Redux
- RSpec
- SQL
- HTML
- CSS
- Git
- TDD

EDUCATION

APP ACADEMY

2017
Full Stack Web Development Course, acceptance rate < 5%
Topics include: Rails, React, TDD, scalability, algorithms, OOP, best practices.

RICE UNIVERSITY

2012 - 2016
Chemistry & Biochemistry

PROJECTS

Aperture (React-Redux, Ruby on Rails, PostgreSQL)   Live | GitHub
A RESTful single-page web application for photo collection and sharing
- Implemented user authentication and securely encrypted password digests using BCrypt.
- Built a responsive, justified photo gallery by integrating jQuery with React lifecycle methods.
- Stored images in the cloud using Paperclip and AWS S3 to increase performance and scalability.
- Leveraged React and Redux to enforce unidirectional data flow and app coherence.

Oto-on (JavaScript, CSS)   Live | GitHub
A browser game for sequencing sounds and making music
- Utilized principles of DRY object-oriented programming
- Designed an intuitive, interactive UI using pure JavaScript, HTML5, and CSS.
- Leveraged asynchronous functions to loop through sound sequence at a specific tempo

Gluteno (React Native, Redux, Django)   Live | GitHub
A mobile application for finding and rating gluten-free restaurants
- Implemented token authentication by connecting to Django REST framework via JSON API.
- Integrated Google Maps API with geolocation based searching to display nearby restaurants.
- Utilized Google Places API to search for restaurants to add to the database.
- Created smooth, interactive UI using React Native and React Navigation.

EXPERIENCE

TEACHER
Top Kids | Los Angeles, CA | 2014 - 2015
- Developed and facilitated the curriculum for a course based on MIT Scratch – taught programming concepts such as iteration, conditionals, data, project development, and debugging.
- Coached high school students in the AMC 10/12, AIME, Science Olympiad and other STEM competitions – students were successful at the state and national level.

RESEARCHER
Rice University | Houston, TX | 2012 - 2014
- Designed experiments to study the effects of certain metabolites on cancer cells.
- Analyzed cell migration experimental data using Image J.
- Prepared and presented lab research reports at weekly lab meetings