

SAMMY HUANG

Full-Stack Software Engineer

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TECHNICAL SKILLS

JavaScript (ES6), React, Redux, HTML, CSS, SASS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, AWS S3, Webpack, jQuery, Axios, Git, GitHub, Heroku, Paper.js

PROJECTS

DEPTH OF FIELD (**Frontend:** React.js, Redux.js, JavaScript, jQuery | **Backend:** Ruby, Rails, PostgreSQL, AWS S3) [Live Site](#) | [GitHub](#)

A clone of Flickr, it is a platform for photographers to share their photos and their passion for photography.

- Delivered an interactive single page application by utilizing React components to build dynamic UI and the Redux cycle to manage application data, providing a modern and responsive user experience.
- Replicated Flickr's splash page with a custom implementation of a photo carousel using React, HTML, and CSS(Sass), creating a simple and elegant splash page that previews high-quality content to engage the user.
- Implemented a user-friendly comments section, favorite and follow buttons, using React that conditionally renders components depending on user selection.
- Connected Rails models to PostgreSQL for data and AWS S3 for photo storage, improving site responsiveness for serving high-quality photos and associated data by reducing server load and allowing scalability.

ASKED & ANSWERED (**Frontend:** React.js, Redux.js, JavaScript, Axios | **Backend:** Node.js, Express, MongoDB) [Live Site](#) | [GitHub](#)

A ticketing application for students to submit questions and instructors to manage, assign and respond to them.

- Identified an existing problem, developed a solution and led a team of 4 developers to build a functional application in a week, which allows students to post their questions/issues and instructors to assign, answer and resolve them in an organized manner.
- Designed, styled and implemented full CRUD functionality for Questions MVP from backend to front, while applying newly acquired skills in MongoDB, Mongoose, Express.js and debugging in a new environment.
- Guided team members to use the Git Feature Branch Workflow to work in parallel to build out multiple MVPs, avoiding potential git conflicts and enabling us to meet the MVP requirements in a short time frame.

MY KOI POND (**Frontend:** JavaScript / HTML5 Canvas / CSS3 / Paper.js) [Live Site](#) | [GitHub](#)

An interactive simulation of a koi pond built on the HTML5 canvas utilizing the paper.js library.

- Animated koi fish swimming in a pond and generated randomized patterns of popular koi fish on HTML5 Canvas using the Paper.js library, creating a zen and tranquil visual experience for users.
- Implemented a combination of keyboard and mouse event listeners using Paper.js, allowing different user interactions
- Refactored and DRYed up code using OOP, to interact with all canvas objects using the Pond, Koi, and Ripple classes

EXPERIENCE

IT Technician

Helmsley Charitable Trust

May 2018 - Feb 2020

- Resolved technical issues remotely, via email, over the phone and in person for 100+ staff in 2 locations
- Administered Zoom, managed 7 conference rooms and provided AV support for meetings
- Managed IT equipment for the NYC office, set up workstations for new staff and deployed new mobile devices to 100+ staff
- Onboarded new staff, provided training for applications such as Zoom, internal SharePoint site, O365 suite of applications
- Worked with consultants on building an application to streamline and automate the onboarding process for staff

IT Service Engineer

SF Express Corp.

Aug 2017 - Apr 2018

- Supported office relocation for staff of 75+ as the only IT staff member of the branch
- Provided technical support for office and warehouse staff for hardware, software and proprietary applications
- Onboarded new staff, set up laptops, managed IT equipment, AV equipment and maintained the network closet

EDUCATION

Software Engineering Bootcamp - App Academy

Summer 2021

A 16-week, 1000+ hours, fully immersive software development course with a focus on full-stack web development.

BS in Electrical Engineering - Union College, Schenectady, NY