

Michael Shih

Software Engineer

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[Personal Site](#)

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SKILLS JavaScript, Ruby, Rails, Three.js, HTML, CSS, SCSS, React, Redux, AWS, Webpack, Render.io, postgresSQL, Express, MongoDB, Node.js

PROJECTS

SoulCandy | (Rails, postgresSQL, React, Redux, AWS, Webpack, Render.io)

[live](#) | [github](#)

An E-commerce clone of skullcandy where users browse and purchase products by different categories

- Ensured user privacy and data persistence through login, storing user cart items in the relational database to be retrieved when the user logs in again on a separate browser.
- Implemented a categorized system using React to allow retrieval of data by querying specific categories or key words in the search bar.
- Connected the Rails back end to AWS S3 for media storage and organization while maintaining content security with AWS IAM.

Yum | (Express, React, Redux, MongoDB, Node.js)

[live](#) | [github](#)

An online food sharing app with geo location that allows users to browse and share food items

- Utilized Redux architecture's unidirectional data flow with React for predictable state and reliable DOM rendering.
- Incorporated MERN architecture through sub documented associations, reducing the number of tables by 50%.
- Implemented local strategy for user authentication with Passport.js, using BCrypt for password hashing.
- Collaborated with team of 3 engineers, utilizing efficient git and pull request workflow in order to minimize potential merge conflicts between Frontend and backend

Saikyou | (vanilla Javascript, three.js, HTML, CSS)

[live](#) | [github](#)

A 3D interactive viewscape that represented the top 3 anime-related categories of the last 5 years.

- Integrated Three.js library into an interactive 3D space to provide a fun and different approach to data browsing experience.
- Applied 3js to incorporate texturized contents onto reusable mesh objects that can take on the appearance of video, images, or complete character designs.
- Integrated seamless transitions between HTML aspect and three.js aspect of different elements to link between the 2D representation of item details and the the 3D representation of browsing.

EXPERIENCE

Sales Assistant

Weasel Westside, Ltd.

Oct 2018 - Nov 2019

- Mediated as simultaneous Mandarin translator to coordinate communication between Chinese team manager and potential US clients.
- Authored a data parser for excel to extract data from product management software, helping colleagues reduce workload time by 10%.
- Represented the company at U.S. trade conventions to garner clients and business.
- Planned, budgeted, analyzed the profit/ loss of attending convention at the cost of \$10k.
- Facilitated emergency shipping of products to major customers, resulting in high customer satisfaction.

EDUCATION

Soochow University- Bachelor of Fine Arts English , 2014-2018

AppAcademy - Immersive software development course with focus on full stack web development. August 2022