

Yuva Chang

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<https://yuvachang.com> | <https://github.com/yuvachang> | <https://www.linkedin.com/in/yuvachang/>

Skills

Proficient: Javascript, React, Redux, Node.js, HTML5, CSS3, SASS, Git, Firebase + Cloud Firestore, Git, Restful API
Knowledgeable: Express, PostgreSQL, Sequelize, MongoDB, Mongoose, Expo, React Native, Heroku, Webpack
Other: GitHub Pages, Heroku, SPA, Rhino, V-Ray, Photoshop, Illustrator, Indesign, AutoCAD, SketchUp

Projects

Minesweeper | July 2019

React, Cloud Firestore, Node.js

Deployed: <https://minesweeper.yuvachang.com> | GitHub: <https://github.com/yuvachang/minesweeper>

Web app game replicating the original with 3 levels of difficulty and a live leaderboard stored in Cloud Firestore.

- **Firestore** database and endpoints for storing and displaying top scores with listener for leaderboard updates.
- **React** for game state and window event listeners to track mouse R+L clicks for setting flags and opening cells.

Split | May 2019

React, Redux, Firebase, Cloud Firestore, Node.js

Deployed: <https://split.yuvachang.com> | GitHub: <https://github.com/yuvachang/split>

Expense management app with Firebase BaaS and React. Users track individual or group spendings and itemize costs.

- **Firebase OAuth**, login with email or Google account. Deployed through **Firebase Hosting**.
- Implemented **Firestore** database querying, notifications and data management with **redux-thunk** middleware, and multi-user live editing of expense items with Firestore listeners.
- **Mobile responsiveness** and styling done with **SASS** and media query breakpoints.

EZ-Split (Capstone) | March 2019

React, Redux, Node.js, Express, Socket.IO, Sequelize, PSQL, Mongoose, MongoDB, Passport, Heroku

Deployed: <https://ezsplit.herokuapp.com> | GitHub: <https://github.com/EZSplit/EZSplit>

Full stack web app using sockets and OCR API to upload and itemize receipts. Users collaborate to split a shared bill.

- Set up and implemented **Socket.IO** for pub/sub updates of receipt item changes.
- Created **React** components for displaying and multi-user editing of receipt items with immutable state through Redux.
- Integrated (Taggun) OCR API and **Restful API** endpoints for **JSON** data.
- Created **MongoDB** schemas and queries for image and user data in Javascript using **Mongoose ODM**.

GitHub Browser (Stackathon) | March 2019

React Native, Redux, Node.js, Android Studio

Video demo: <https://bit.ly/2XCKdhs> | Github: https://github.com/yuvachang/RN_GitHub_Browser

Android app to view GitHub user repositories and subdirectories.

- React Native Navigation for folder navigation and user flow, basic authentication for user-login.

Work Experience

Consultant | Freelance architectural rendering | 01/2018 - 12/2018

- Rendered interior or exterior perspectives with material visualization for client or competition based works.

Junior Architect | Shakespeare Gordon Vlado Architects | 11/2015 - 10/2017

- Shaped the 2D to 3D workflow within the firm and helped transition modeling from SketchUp to Rhino+Vray.
- Coordinated and met regularly with contractors and manufacturers to maintain schedule on residential work.
- Worked on CAD documents, specs, and digital work for residential projects and multi-family developments.
- Put together competition deliverables to meet submission deadlines.

Design Intern | Redtop Architects | 04/2014 - 08/2014

- Marketing and client work, construction drawings, model building.

Education

Fullstack Academy of Code | Immersive coding bootcamp | 01/2019 - 04/2019

Full stack Javascript web development

University of Michigan | Taubman College of Architecture | 2013-2015

Master of Architecture

University of Florida | SOA | 2008-2013

Bachelor of Design in Architecture, Minor in East Asian Languages and Literature (Japanese)