Yuva Chang
Software Engineer

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skills

Javascript, React, Redux, Express, Node.js, HTML5, CSS3, SASS, Git, Firebase, Cloud Firestore, Sequelize, PSQL, SQL, MongoDb, Mongoose, Heroku, Webpack, Web Development, React.js, Redux.js, Node, HTML, CSS, PostgreSQL, Sequel, GitHub, Rhino, VRay, Photoshop, Illustrator, Indesign, AutoCAD

projects

Minesweeper - *Deployed: https://minesweeper.yuvachang.com*   Github: https://github.com/yuvachang/minesweeper
React, Redux, Firebase/Firestore, Node.js, SASS.

Replicates original Minesweeper game with fidelity in mind. Smooth gameplay made with event listeners and board evaluations. R+LMB clicks open surrounding cells if flag counts match mine counts and scoreboard to track top-times.
  • All mouse functionality of original game incorporated.
  • Recursive cascade of open cells if cell with no neighboring mines is opened. First click of game always incurs cascade to improve game-start experience--never click a mine on first click.
  • Firestore leaderboard to track top scores and live updates.

Split - *Deployed: https://split.yuvachang.com*   Github: https://github.com/yuvachang/split
React, Redux, Firebase/Firestore, Node.js, SASS.

Consolidates and manages group/individual receipts. Live-editing of receipts and real-time calculation of user debts as amounts are updated. Personal project to learn Firebase and achieve MVP with mobile responsiveness.
  • Features include: email & Google login, friend management with live notifications, local and DB data queries, data creation/deletion, live editing using Firestore listeners.

EZ-Split - *Deployed: https://ezsplit.herokuapp.com*   Github: https://github.com/EZSplit/EZSplit
React, Redux, Express, Socket.IO, Sequelize, PSQL, Mongoose, MongoDB, Passport, Node.js.

3-week team project achieving MVP using AGILE methods. Itemize and manage receipts using an OCR api and live-editing using websockets. Contributions:
  • Implemented real-time editing using Socket.io and wrote front end components for multi-user editing.
  • Wrote code for calculating debts and user IOUs as they updated from the socket connections.
  • Implemented the OCR API on back end and routes for parsing/handling JSON receipt data.
  • Created MongoDB schemas and queries for handling image, users, and groups data.

Github Browser (Android) - *Github: https://github.com/yuvachang/RN_GitHub_Browser*   *video demo: https://bit.ly/2XCKdhs*
React Native, Redux, Node.js, and Android Studio.

React Native Android app for logging into GitHub using basic authentication and viewing user repositories and subdirectories. 4 day stackathon: I learned React Native and its navigation for a smooth auth- and user-flow.

work experience

Design Consultant, *New York, NY : 01/2018-12/2018*
  • Architectural rendering service, focusing on Rhino, Vray, and Photoshop post processing for visualizations.

SGVA - Junior Architect, *New York, NY : 11/2015-10/2017*
  • Met marketing and client proposal deadlines with render and visual deliverables from Rhino, Vray, and Adobe.
  • Shaped the representational language and 3d digital workflow within the firm.
  • Contributed to CAD, specs, code, and modeling work on residential projects including townhouse renovations and housing developments
  • Headed drafting of design competition deliverables.
  • Worked closely with lead architect on renovation project and management.

Redtop Architects - Design Intern, *New York, NY : 04-08/2014*
  • Built physical and digital models, and produced renderings for marketing and client work.
  • Worked on construction documents.

education

Fullstack Academy of Code *01/2019-04/2019*
   Three month immersive program teaching full stack software engineering using Javascript technologies, pair programming, and AGILE methods.

University of Michigan, *Taubman College of Architecture 2013-2015*
   Master of Architecture

University of Florida *2008-2012*
   Bachelor of Design in Architecture