Vivian Thach

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SKILLS
JavaScript / HTML5 / CSS3 / Java / Python / Flask / Node.js / Express.js / PostgreSQL / Sequelize / SQLAlchemy / React / Redux / Git / Heroku / Docker

EDUCATION
AppAcademy - 1000+hour immersive full-stack web development program with <3% acceptance rate, 2021
University of California, Irvine - *B.S. Computer Science, 2014 - 2018*
- Relevant Coursework: Database Management | Design and Analysis of Algorithms | Web Application Programming

PROJECTS
BattleFit | *(React, Redux, Flask, PostgreSQL, SQLAlchemy, AWS S3)*   **live** | **github**
A minimalistic gamified workout tracker where users can create custom exercises, keep track of their exercise logs and battle/collect mythical creatures whilst getting fit.
- Incorporated AWS S3 image uploading and built a helper React component to accelerate monster and exercise data seeding, allowing for scalable and maintainable image services.
- Constructed a three difficulty, unopinionated battle system to allow users to workout on their own ability levels.
- Implemented an intuitive Health Bar for Monster Battles using a combination of JavaScript DOM manipulation and React's useEffect Hooks to dynamically update and render as users log battle exercises.

SplitaBill | *(React, Redux, Flask, PostgreSQL, SQLAlchemy, AWS S3, Stripe API)*   **live** | **github**
A single-page Splitwise and Venmo inspired clone where users can keep track of their expenses between friends.
- Pioneered the frontend development process by using modern day redux store state shapes to design a comprehensive shape fit for SplitaBill's data handling needs.
- Leveraged Stripe API to implement the fake checkout feature, improving user experience of payments.
- Established a more solid design solution using the best of both Splitwise and Venmo applications to provide a more intuitive user experience.

Tabletop Quest | *(React, Redux, Express.js, Node.js, PostgreSQL, Cloudinary API)*   **live** | **github**
A clone of Product Hunt where users can submit tabletop game products and partake in discussions.
- Showcased a variety of tabletop games to browse by utilizing Sequelize to query into the backend database of products with owner information, displaying the most recent product posts to the users.
- Integrated React Routes to authorize users to dynamically create, update, and delete products using Redux, Thunk middleware, and Fetch API to asynchronously update the database and the frontend Redux store state.
- Improved product feature by modularizing the React Component for product creation/update using props and React hooks, improving UX for users to easily see pre-filled inputs when updating a product

EXPERIENCE
Team Leader
ShareTea   Jul 2018 - Dec 2018
- Excelled in a fast-paced team environment while displaying exceptional customer service, increasing team morale.
- Spearheaded the training of a team of 20+ new trainees as a senior member.
- Oversaw opening and closing duties of the shop including inventory checking and store setup/cleanup

UI / UX Intern
ClubTree Startup   Jan 2017 - Sep 2017
- Extracted user stories and requirements from client market research of over 10 clubs at UCI's campus.
- Conducted weekly standup meetings with the project lead to relay results of the client research surveys.
- Designed and delivered mock ups of the web application with development, design, and marketing teams.