

# Fred Chien

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## SKILLS

React · Redux · JavaScript · Express.js · Ruby on Rails · PostgreSQL · MongoDB · HTML · CSS · AWS S3

## PROJECTS

**Solar Powered** | React · Redux · Rails · PostgreSQL · AWS S3

[Live](#) | [GitHub](#)

*Pixel perfect full stack clone of Steam, displaying a variety of video games for users to purchase and review.*

- Leveraged Redux state and ActiveRecord best practices to handle the HTTP request lifecycle across each page of the web app with zero N+1 queries, providing an optimized and bug-free user experience.
- Built custom React components (image carousels, game list) and stored game images in the cloud using AWS S3 to render video game media with less server load and greater app scalability.
- Constructed Rails API backend and seeded PostgreSQL database to serve video game data for rendering store pages.

**Cubberd** | MongoDB · Express · React · Node.js (MERN stack)

[Live](#) | [GitHub](#)

*Highly interactive recipe planning app that searches and scores recipes based on user-selected ingredients.*

- Served as Flex Developer on a team of four, contributing code as needed at every architectural component from database to backend to frontend.
- Developed REST API endpoints in the backend for recipe and ingredient data fetching; designed stylish and intuitive React components for recipe saving functionality; implemented feature spotlight using the Reactour library to efficiently onboard new users.
- Eliminated roadblocks for teammates and minimized workflow disruption through proactive end-to-end testing and thorough debugging.

**CalPal** | JavaScript · Chart.js · HTML · CSS

[Live](#) | [GitHub](#)

*Colorful single-page application for visualizing calorie and macronutrient information.*

- Utilized JavaScript and vanilla DOM manipulation to create a stylish and satisfying user interface.
- Extended the default styling and functionality of the Chart.js library to dynamically visualize nutritional data across four responsive charts according to user input.

## EXPERIENCE

**Fourstar Group** | *Product Development Specialist*

July 2021 - June 2022

- Generated and designed over 20 product offerings to further the Electronics category for global retailers Walmart, Dollar General, Dollar Tree, and Family Dollar.
- Supervised partner manufacturers in creating physical samples of my designs, operating within tight deadlines (averaging 6 weeks) ahead of Sales meetings with retailers.
- Coordinated cross-functional teams including QA/QC, Art, Merchandising, and Sales to maintain brand consistency at each step of the product development process.

**Match Stoneware** | *Production Potter*

August 2019 - March 2020

- Hand-crafted pottery dishware for use in Michelin star restaurants across the country, adhering exactly to customer-provided size, shape, weight, and design specifications.
- Streamlined workflow to meet all production quotas and deadlines, on average creating over \$9,000 worth of product monthly.

## EDUCATION

**App Academy**

Fall 2022

*1000-hour full-stack web development intensive with <3% acceptance rate*

**University of Southern California**

*Bachelor of Science in Business Administration, Marshall School of Business*

2017 - 2021