

TIM HARDING

(410) 353-4014 timharding31@gmail.com timharding.io [LinkedIn](#) [GitHub](#) San Francisco, CA

SKILLS: JavaScript, React, Redux, HTML, CSS, Ruby on Rails, Python, Selenium, MongoDB, Node.js, Express.js, Mongoose, MySQL, PostgreSQL, Webpack, jQuery, Git, JIRA, Looker, Tableau, Airtable, NYT Crossword

EXPERIENCE:

Senior Specialist, Product Operations

April 2018 – May 2020

Collective Health

San Francisco, CA

- Liaised between Development and Client Success teams as Data Integrations SME to secure strategic prospects of \$5M ARR and to clarify ETL procedures and technical requirements for customer onboarding.
- Spearheaded and acted as Technical Product Manager for customer eligibility data management improvement project, successfully deploying on schedule and reducing client escalations by 60%.
- Reduced data validation effort by 80% across the Product Operations team by developing a suite of Python testing scripts which integrated healthcare EDI protocols and Selenium browser automation.

Data Analyst, Professional Services

September 2015 – April 2018

Castlight Health

San Francisco, CA

- Twice-promoted for leading implementation of health plan data for Fortune 50 clients in healthcare navigation tool.
- Retooled data loading and validation functions, project management, and reporting for a cohort of 100+ customers.
- Led SFTP integrations and product testing to ensure successful delivery of high-profile joint data pilot with a top US healthcare carrier, drastically reducing number of user escalations while streamlining operations.

PROJECTS:

StockFox *Ruby on Rails, PostgreSQL, React, Redux*

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

A stock-trading simulation application inspired by Robinhood.

- Created a custom tooltip and event listener in React to dynamically change displayed stock price based on user interaction with Recharts-built pricing graphs, and revert back to latest available stock price on mouse leave.
- Stored thousands of Nasdaq- and NYSE-listed stocks in a PostgreSQL database, with Active Record associations between users and the stocks they 'buy' or add to their watchlist.
- Defined bidirectional routing to display and update users' holdings and watchlists, and to enable real-time search results (by stock ticker or company name) when users interact with the React frontend.
- Configured external API calls to populate a normalized, Redux-managed frontend state with company news and granular pricing information, and to patch the backend database with price and company details upon each call.

Coup de Tim *JavaScript*

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

A web-based version of the popular card game, Coup, built with 'vanilla' JavaScript (minimal external libraries).

- Built all game components as React-like ES6 classes to render and update the DOM on game-state change.
- Designed turn API to handle multiple user interactions with the computer player and the game within the same turn.
- Programmed a non-deterministic computer-controlled opponent to simulate a skilled player's bluffing strategy and to interact with the turn API via duck typing.

AcrossWords *MongoDB, Express, React, Node, Python, Selenium*

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

A procedurally generated crossword puzzle that serves up clues dynamically as user input changes.

- Created custom web-scraping script using Python & Selenium to download New York Times Crossword puzzle files.
- Designed a JavaScript library to parse .puz text buffer files and match clues with their respective answers in the puzzle solution, and seeded a MongoDB model with thousands of clues from decoded puzzles.
- Built user-input grid rows and "Reveal Answer" functionality into the frontend using functional React components and hooks, and added event listeners to check submission against solution in the backend and update scoring logic.

EDUCATION:

Brown University *Bachelor of Science in Applied Mathematics-Economics*

Providence, RI | 2011 – 2015

Inter-Collegiate Sailing Association's All-Academic Award. Four-year member of nationally-ranked sailing team.

AppAcademy

San Francisco, CA | 2020

Highest-rated, extremely selective full-time web development bootcamp.