

CAMERON COUCH

(860) 817-2397

cameronhcouch@gmail.com

www.cameroncouch.me

[LinkedIn](#)

[Github](#)

SKILLS JavaScript, React, Redux, Node.js, MongoDB Atlas, Ruby, Rails, Python, AWS, SQL, HTML/CSS, Git, TDD

PROJECTS

Stack | *React, Redux, Rails, PostgreSQL, ActionCable / WebSockets, HTML, CSS, Heroku, AWS*

[live](#) | [github](#)

A single-page, pixel-perfect clone of Slack, the workplace messaging app

- Designed PostgreSQL database schema and implemented using Rails Active Record ORM, notably applying polymorphic associations for user subscriptions to channels and workspaces for DRY backend code
- Built modals with React, Redux, and CSS3 for optional rendering of forms and sidebars for improved user experience
- Implemented live chat using the WebSocket API via Rails' Action Cable, enabling real-time messaging without a page refresh

Zoo Dots | *JavaScript, HTML, CSS, Webpack*

[live](#) | [github](#)

Two Dots-inspired puzzle game built using Object-Oriented Programming (OOP) design principles

- Handled asynchronous user I/O by installing event listeners to fire callback functions after predefined user behaviors
- Rendered HTML Canvas elements using JavaScript to track game piece positions and identities in a two-dimensional grid
- Wrote logic and customized algorithms for game piece selection and removal, allowing players to click-and-drag to choose matching pieces, and refactored code to optimize time complexity

Boy and Tiger | *React / Redux, Express, MongoDB Atlas, Node.js, WebSockets*

work in progress | [github](#)

Community-focused comic-viewing website

- Implemented user authentication following the jwt-passport strategy, allowing logged-in users to like comics, write comments, and participate in live-chat
- Reviewed teammates' code via GitHub pull requests to increase readability, reduce dependencies on external APIs, improve UX, and ensure RESTful API endpoints
- Created live chat room via the WebSocket API, so members and guests can communicate in real-time

AWARDS

NYC Chatbot Hackathon - First Place - *BingeBot*

May 2019

- Built a chatbot to help viewers discover tv shows and movies, answering "What should I watch tonight?"

EXPERIENCE

Vice President of Marketing

Infinity Woven Products

Sep 2015 - Dec 2016

- Headed company site redesign, emphasizing Search Engine Optimization, improved user experience, and better stats tracking via Google Analytics
- Set-up Google AdWords for paid search, geo-targeting marine professionals, increasing daily site traffic by +25% during industry events
- Built and managed an annual marketing budget of over \$500,000 for a multimillion-dollar marine supplier

Neuroscience Research Technician

Harvard Medical School

Jun 2013 - Aug 2015

- Designed and carried out experiments to study activity-dependent gene transcription in a mouse model, contributing to three published research papers
- Generated tissue samples and maintained cell cultures, analyzed and quantified images, compiled data, and presented findings in weekly meetings

Instructor and Course Creator -- From Fact to Fiction to Fantasy: Writing About Science

Wesleyan University

Fall 2012

- Crafted syllabus, planned lessons, and co-taught a workshop-style, student-run creative writing course

EDUCATION

Wesleyan University - 2009-2013 - BA Neuroscience and English Double Major, Writing Certificate

App Academy - 2019 - Rigorous 1000-hour full-stack web development intensive with <3% acceptance rate.