



# AMANDA CHEN

FULL-STACK  
WEB DEVELOPER

## CONTACT

626 688 0690

amandachen13@gmail.com

www.amandachen.io

## LINKS

linkedin

github

angellist

## PROJECTS

### PINSPIRED [LIVE](#) | [GITHUB](#)

A visual discovery web application based on Pinterest

- Created a custom back-end authentication that hashes and salts passwords into unique password digests using BCrypt to protect user data
- Enhanced performance time and scalability by uploading images to the cloud with AWS S3 and Paperclip
- Improved pin creation user experience by incorporating an image scraping feature using jQuery and Embedly API
- Utilized React Masonry, HTML, and CSS to replicate the responsive grid-like interface of Pinterest

### ALPHABET SOUP [LIVE](#) | [GITHUB](#)

A letter-unscrambling browser game built with OOP

- Built and implemented a dictionary trie structure to optimize insertion and retrieval times of 30,000 words
- Rendered HTML5 Canvas elements that seamlessly animate feedback to user interaction

### DOMINODE [LIVE](#) | [GITHUB](#)

A DOM manipulation library, demonstrated with a classic Snake browser game

- Developed a lightweight library that leverages native DOM API to make AJAX requests, add event listeners, and manipulate the DOM

## SKILLS

- |              |            |          |
|--------------|------------|----------|
| • Ruby       | • RSpec    | • HTML   |
| • Rails      | • SQL      | • CSS    |
| • JavaScript | • React.js | • Python |
| • jQuery     | • Redux    | • Git    |

## EXPERIENCE

### ACTUARIAL ANALYST

MUTUAL OF AMERICA | AUG 2015 - APR 2017

- Produced monthly annuity reserve reports and annual summaries of the company's liabilities
- Priced insurance benefits and cost estimates for potential clients and contributed to the assessment of annuity buyout bids worth \$1M

## EDUCATION

### WEB DEVELOPMENT

APP ACADEMY, NEW YORK | 2017

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

Topics Include: TDD, OOP, REST, Algorithms, Data Structures

### BACHELOR OF ARTS, APPLIED MATHEMATICS

UNIVERSITY OF CALIFORNIA, BERKELEY | 2011 - 2015

GPA: 3.497

Relevant Coursework: Discrete Mathematics, Linear Algebra, Probability, The Structure and Interpretation of Computer Programs