



# AMANDA CHEN

FULL-STACK  
WEB DEVELOPER

## CONTACT

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www.amandachen.io

## LINKS

linkedin

github

angellist

## PROJECTS

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

A visual discovery web application based on Pinterest

- Protects user data through a custom back-end authentication that hashes and salts passwords into unique password digests using BCrypt
- Efficiently retrieves and caches associated data to minimize database queries
- Uploads images to the cloud with AWS and Paperclip to enhance performance time and scalability
- Utilizes React Masonry, HTML, and CSS to replicate the grid-like user interface of Pinterest

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

A letter-unscrambling browser game built with OOP

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

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

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

- Leverages native DOM API to make AJAX requests, add event listeners, and manipulate the DOM

## SKILLS

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

## EDUCATION

### **WEB DEVELOPMENT**

APP ACADEMY, NEW YORK | 2017

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

### **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

## 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 millions of dollars