Tiffany Shiu

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SKILLS

JavaScript, React, Redux, Ruby, Rails, Java, RSpec, CSS3, HTML5, Webpack, SASS, OOP, jQuery

PROJECTS

Eatsy Full Stack Engineer | Ruby on Rails, PostgreSQL, React, Redux   Live | Github
An Etsy inspired application where you can buy or sell homemade food
- Utilized Cloudinary to host image uploads, which optimized database storage and manipulation of image size
- Implemented Protected Routes that prevented unauthorized access to user's data using React
- Customized Rails json payloads using JBuilder to minimize API calls to the server and ensure smooth navigation between pages

Tetra-Cube Solo Engineer | Vanilla JavaScript   Live | Github
A classic game of tetris
- Added event listeners using basic DOM manipulation and customized keys for faster gaming experience
- Utilized HTML5 Canvas and matrices for tetra-cube pieces to enable easy and smooth rotation
- Organized code by separating components for readability and utilized webpack to bundle all the components

Food Filter   Front End Engineer | MongoDB, Express, React, Redux, Node.js, Passport   Live | Github
Based off of the user profile, Food Filter highlights the allergy ingredients you want to avoid based on your search
- Implemented Quagga JS Library to implement barcode reading capabilities allowing for the user to upload a barcode photo and search the product
- Improved user experience for use of barcode reader by displaying unreadability errors or cannot find the barcode

Tic-Tac-Toe Solo Engineer | JavaScript, React   Live | Github
Challenge the AI and play the advanced computer with Tic-Tac-Toe
- Created an advanced computer AI with the minimax algorithm for an undefeatable computer player
- Constructed three different player modes for a variety of game plays (advance computer, basic computer, and player vs player mode)
- Improved the AI calculation speed with alpha-beta pruning of the minimax tree

EXPERIENCE

Ruby Instructor | Technical Admissions Specialist - App Academy   June 2018 - Present
- Ruby Instructor
  - Created lesson plans, gave lectures, led seminars on debugging best practices, held one-on-one tutoring-sessions, graded homework assignments and assessments.
  - Contributed, reviewed, and ensured quality of the main curriculum for a new online platform
- Technical Admissions Specialist
  - Led technical and non-technical interviews with prospective students, assessing algorithmic aptitude in a variety of programming languages including Ruby, Python, Javascript and Java

EDUCATION

App Academy   Spring 2018
- 1000-hour full-stack web development intensive course with a <3% acceptance rate
- Topics include: TDD, scalability, algorithms, OOP, coding style, REST, security, single-page apps, and web development best practices

University of North Dakota - Magna Cum Laude   Dec 2017
- Bachelor in Accountancy
- Bachelor of Arts in Chinese Studies