

# 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, 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

**Tetris** Solo Engineer | 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 tetris pieces to enable easy and smooth rotation
- Organized code and utilized webpack to divide code to different parts for readability

**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
- Customized barcode scanner to display unreadability errors and if scanner cannot find the barcode
- Designed easy to follow directions to provide clarity on the use of Food Filter
- Customized modal using React and Redux to allow user to be able to sign in and register

**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
- Implemented different player modes for a variety of game plays
- 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.
- 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