

# 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** Front End 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

## EXPERIENCE

Software Engineer Intern - App Academy

June 2018 - Present

- Led technical and non-technical interviews with prospective students, assessing algorithmic aptitude in a variety of programming languages including Ruby, Python, Javascript and Java

Research Assistant – University of North Dakota

May 2016 – Dec 2017

- Created regular project reports and oral presentations regarding progress on independent experimental research to present to whole team
- Contributed to two peer-reviewed publications by evaluating quality assurance

Certified Nursing Assistant - Valley Elder Care

Aug 2015 - Jan 2017

- Collaborated and worked with various nursing teams ensuring the proper care of up to 50 patients per shift.
- Managed on average 7-8 resident's unique needs at a time and accurately recorded daily statuses

## 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 (GPA: 3.84/4.00)

Dec 2017

- Bachelor in Accountancy
- Bachelor of Arts in Chinese Studies