

# Yuxiang(Shawn) Chen

Tel: (716) 907-5783

E-mail: [yichshawn@gmail.com](mailto:yichshawn@gmail.com)

LinkedIn: [linkedin.com/in/yc-shawn](https://www.linkedin.com/in/yc-shawn)

Github: [github.com/yc-shawn](https://github.com/yc-shawn)

Website: [yc-shawn.github.io/](https://yc-shawn.github.io/)

## WORKING EXPERIENCE

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### Software Engineer, Plate IQ

July 2017 - Present

- Wrote maintainable, scalable, responsive, and cross-browser code use [Angularjs](#), [React/Redux](#), [HTML](#), [Javascript](#), [SCSS](#)
- Built reusable internal front-end component library and used across all the product
- Collaborated with creative and development teams on the execution of ideas and projects.
- Updated and streamlined existing code to improve site performance.

#### *Project: Invoice Processing & Management Software (core product)*

Translate designs to front-end code, closely worked with back-end developers to optimize existing web technology and create the best possible user experience.

#### *Project: Marketing Website*

Maintained and updated company's homepage with [Search Engine Optimization \(SEO\)](#), improved ranks and increased awareness in search engine

#### *Project: Data Entry Tool*

Design and code up a web application to manually digitized the invoice, reduce the processing time from 4min to 30seconds each invoice compare with the old tool.

### Front-end Web Developer Intern, Lilitofu

April 2017 – Jun 2017

- Develop user-facing features for everything that users see and touch on website including content, layout and interaction using a combination of [Nodejs](#), [React/Redux](#), [ES6](#), [SCSS](#), [Bootstrap](#), [REST API](#)
- Collaborate closely with other team members and stakeholders to ensure the technical feasibility of UI/UX designs and bring the designer's concept to life, also assure script is validated before submitting to back-end
- Build reusable code and libraries for future use, remove redundant code.
- Optimize application for maximum speed and scalability

### Graduate Research Assistant, Human in the Loop System Laboratory, University at Buffalo

Jun 2016 - Feb 2017

#### *Research: Multimodal Recording for Activities Recognition*

- Design and implement collection, analysis, and recognition of human activity data in multimodality
- Writing script using [C#](#) to automatically run tools and extract data from different wearable sensor synchronously

## SKILLS

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Programming: Java, JavaScript/Jsx/Es6, Python, C++, C#, Swift, Matlab, html, css/sass/scss, php, sql, nosql

Techniques: Jquery, React.js, Redux.js, Angularjs, Node.js, Bootstrap, Firebase, AWS, Angular2, Jasmine, MongoDB, RESTful, Gulp, Ajax, Git, Backbone.js, Express.js

## PROJECT

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### Online Chat Web Application ([yc-shawn.github.io/real-time-chat/](https://yc-shawn.github.io/real-time-chat/))

Winter 2017

- Developed a dynamic web page for people to create/enter chat room and chatting in real-time
- Written in [Node.js](#) and [React.js](#), use [Bootstrap](#) to create responsive component, style by [SASS](#), use [webpack](#) build tool, deploy server side to on [AWS EC2](#)
- Built relational to [Firebase](#) databases to implement real-time data uploading and retrieving

### E-commerce Shopping Web Application ([yc-shawn.herokuapp.com/shoppingcart](https://yc-shawn.herokuapp.com/shoppingcart))

Spring 2017

- Generated whole online shopping website using [Node.js](#), [React.js](#), [Express.js](#), [EJS](#), [Bootstrap](#)
- Implemented user signin/signup validation by [Passport.js](#)
- Manage product data and user information by using with [MongoDB](#)
- Accomplished payment transaction process and validation by [Stripe.js](#)

**Spotify Web Application** ([yc-shawn.herokuapp.com/spotify](https://yc-shawn.herokuapp.com/spotify))

Fall 2016

- Designed a responsive spotify music query website for user to find music by search artist, album and track with Spotify API
- Code up with Node.js, React.js, Bootstrap, SASS, webpack, html, javascript
- Handle HTTP request with Spotify REST API to query information and implement realtime search result

**Craigslist Web Application** ([yc-shawn.herokuapp.com/craigslist-home](https://yc-shawn.herokuapp.com/craigslist-home))

Summer 2016

- Use cheerios web scraping to crawl website information and redesign the user interface of craigslist.org, include home page, specific category post list, and post detail.
- Build website by using HTML5, CSS3, JavaScript, JQuery, Node.js, ExpressJS, EJS, SASS
- Optimize layout and use Bootstrap to make website responsive and mobile friendly

**iOS Application of Local Life Service, University at Buffalo**

Spring 2016

- For the local people to publish or search about life information and seek help (used item, carpool, etc.)
- Use Swift 3 to write responsive application for all devices with different screen size
- Coding programmatically instead of storyboard, refactor UI components to make the code cleaner and more robust
- Created many dynamic views and graphical elements to make app more interactive to the user

**Signature Sign in System, UB Hacking, University at Buffalo**

Fall 2016

- Use signature as verification to login personal account, implemented by Java
- Achievements: Best healthcare hack, 2016 UB Hacking Competition, University at Buffalo
- Utilize Java Swing toolkit to design front end user interface
- Implement feature-based classification algorithm to recognize the login signature compare with the user account database with 91% accuracy

**EDUCATION**

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**University at Buffalo, The State University of New York**

Feb 2017

Master of Science in Mechanical Engineering (GPA: 3.7/4.0)

Coursework: Web development, Machine Learning, Data Science

**Tianjin Polytechnic University, Tianjin, China**

Jun 2015

Bachelor of Building Environment &amp; Equipment Engineering (GPA: 3.3/4.0)