

Yuxiang(Shawn) Chen

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EDUCATION

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 & Equipment Engineering (GPA: 3.3/4.0)

SKILLS

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

Techniques: Jquery, React.js, Node.js, Bootstrap, Firebase, AWS, Angular, Jasmine, MongoDB, RESTful, gulp, ajax, Git

WORKING EXPERIENCE

Front-end Web Developer Internship, Lilitofu

April 2017 - Present

- 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](#)
- 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
- Change overall styling to make webpage responsive for any screen size

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

PROJECT

Online Chat Web Application (www.ychen.site/chatapp)

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 (www.ychen.site/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 (www.ychen.site/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 api](#) to query information and implement realtime search result

Craigslist Web Application (www.ychen.site/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