Yuxiang(Shawn) Chen

Tel: (716) 907-5783   **E-mail:** ychshawn@gmail.com   **LinkedIn:** linkedin.com/in/yc-shawn

Github: github.com/yc-shawn   **Website:** yc-shawn.github.io/

WORKING EXPERIENCE

Software Engineer, Plate IQ   July 2017 - Present

- Wrote maintainable, scalable, responsive, and cross-browser code use <u>Angularjs, React/Redux, HTML, Javascript, SCSS</u>
- 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 <u>Search Engine Optimization (SEO)</u>, 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 <u>Nodejs, React/Redux, ES6, SCSS, Bootstrap, REST API</u>
- 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 <u>C#</u> to automatically run tools and extract data from different wearable sensor synchronously

SKILLS

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

Online Chat Web Application (yc-shawn.herokuapp.com/chatapp)   Winter 2017

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

E-commerce Shopping Web Application (yc-shawn.herokuapp.com/shoppingcart)   Spring 2017

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

Spotify Web Application (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 <u>Node.js</u>, <u>React.js</u>, <u>Bootstrap</u>, <u>SASS</u>, <u>webpack</u>, <u>html</u>, <u>javascript</u>
- Handle HTTP request with Spotify <u>REST API</u> to query information and implement realtime search result

Craigslist Web Application (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 <u>HTML5</u>, <u>CSS3</u>, <u>JavaScript</u>, <u>JQuery</u>, <u>Node.js</u>, <u>ExpressJS</u>, <u>EJS</u>, <u>SASS</u>
- Optimize layout and use <u>Bootstrap</u> 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 <u>Swift 3</u> 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 <u>Java</u>
- Achievements: Best healthcare hack, 2016 UB Hacking Competition, University at Buffalo
- Utilize <u>Java Swing</u> 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

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)