Xining Wang

WEB DEVELOPMENT SKILLS

- JavaScript, Python, HTML, React, Angular, MongoDB, PostgreSQL, SASS, CSS, Git
- Data structure and algorithm

PROJECT

MERN (Redux) Full-stack Ecommerce

- React, MongoDB, Mongoose, Express, Node.js, Redux, Axios, HTML, CSS
- Developed user interface with React, HTML, CSS and Material-UI
- Developed back-end RESTful API using Node.js, Express.js and MongoDB
- Enhanced state management through integrating Redux with the creation of reducers and actions
- Created HOC and reusable components with React and ES6

Full-stack Manchester Football Club

- NoSQL, React, CSS, HTML
- Implemented MVC model for React components and containers
- Built complex animations and transitions using React Move, React Reveal and d3-easy
- Effective communication with Firebase database to perform CRUD operations

Full-stack Face Recognition

- React, CSS, JavaScript, HTML, PostgreSQL
- Executed React front-end in ES6 with Babel, Webpack and Node.js
- Integrated with Clarifai AI Face Detection API and Ajax with HTML.
- Build RESTful API with Express to store information such as hashed password on PostgreSQL

Venue Display

- React, CSS, JavaScript, HTML
- Used React libraries such as Mateiral-UI, React-Scroll and React-Slick to facilitate page functionality
- Built customer counter components with React-Reveal to support effect

EDUCATION

Master of Engineering Science in Mechanical and Material Engineering 94.75/100GPA 9/2014 – 10/2016
Western University
Bachelor Science in Mechanical Engineering 86/100GPA 9/2010 – 7/2014
Xi'an Jiaotong University

COURSES

- The Complete Web Developer from Zero to Mastery
- The React Practice Course
- CS50: Introduction to Computer Science
- Python Data and Algorithm

PROFESSIONAL EXPERIENCE

Mechanical Drafter at Hardt Equipment 7-2019 - Present

- Taking part in designing the prototype of a pizza presser for Costco

Jr. Mechanical Designer and Coordinator at Brampton Engineering 6-2017 – 6-2019

- Developed spiral software with **C++** to enable Creo to create die path contours automatically
- Worked closely with purchasing and manufacturing departments to achieve desired outcome

PUBLICATION

- Wang X., and Jiang L.Y., *A study of the flexoelectric effect on the electroelastic fields of a cantilevered piezoelectric nanoplate*, International Journal of Applied Mechanics, (2017).