

Yue Chang

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Full Stack Software Engineer

A rising 2nd year Master student in Software Engineering, with proven record on developing and deploying multiple front-end, back-end tech stacks for large-scale applications in production, is looking for a full-time Full-Stack Software Engineer position in a high-tech company.

Education and Credentials

MSc in Software Eng. Univ of Maryland (Expected May, 2021) | B.S in ECS, Queen Mary Univ of London, UK | B.S in ECE, BUPT, China | One Journal Publication

Area of Expertise

Web development | Front-End | Back-End | UX Design | Micro Services | Object-Oriented Design

Skills

React.js | Node.js | Redux.js | JavaScript (ES6+) | SASS | CSS | HTML | MySQL | PostgreSQL | MongoDB | DynamoDB | Elasticsearch | Amplify | RESTful API
Java | Python | C | AWS | Git | JSON | Linux

Work Experience

Cmind AI

Boston, USA

Software Developer: Project: Financial Data Trends

09/2020-Present

- Developed a website to let users search certain financial topic of their interests (e.g. unemployment), display the trending in a timeframe and corresponding news to that topic.
- Implemented the front-end with **React.JS**, **CSS**. Managed data with **MongoDB**. Configured and integrated with **Elasticsearch** for searching.
- Elicited requirements, built wireframes and prototypes to provide a software requirements specification.

Institute of Information Cognition & Intelligent System, Tsinghua University

Beijing, China

Research Intern: Project: Sentiment Analysis

09/2017-09/2018

- Proposed a statistical-based polarity judgment enhancing algorithm for improving the accuracy of the sentiment classification of the comments and implemented the algorithm with Python, including preprocessing, SVM classifier (target extraction), opinion pair extraction, and pair sentiment classification.
- Results were published on the Journal- Expert Systems With Applications, which I co-authored.

Project Experience

Online Shopping Website

04/2020-07/2020

- Built a complete E-commerce APP with **React.js** and integrated **Redux.js** to handle different components' states.
- Integrated **Firestore** to provide authentication, data storage and Stripe API for online payment services.
- Deployed stacks to **AWS EC2**.

Face Recognition Website

01/2020-04/2020

- Developed a front-end stack using **React.js** with integration of the Clarifai API that allows users taking photos of themselves and outlining their faces.
- Built a **RESTful** back-end with **Express.js** to provide sign-in, registration and user profile update services.
- Implemented **PostgreSQL** for user data storage.

Selected Coursework

Online Learning Management System (Course: Software Design and Implementation).

2020

- Developed front-end of the website with **React.js**, integrated with **Amplify** framework, **GraphQL**, **DynamoDB** to provide back-end services (e.g. Authentication, search courses, subscribe, etc.)

The Development of A Job Search Application (Course: Mobile Internet)

2018

- Developed a job search application that pipelines data crawling, the front-end user query parsing, RESTful API backend, and low-latency database query and data retrieval subsystem from **ElasticSearch**. Key language used are **jQuery**, **HTML**, **CSS** and **JavaScript**.