

## EDUCATION

Master of Science in Information Systems, Northeastern University, Boston

Jan 2022 – May 2023

Bachelor of Science in Information System, Zhejiang Sci-Tech University, China

Sep 2016 – Jul 2020

## SKILLS

**Programming Languages:** Java, JavaScript, TypeScript, Python, HTML, CSS, SQL, NoSQL(MongoDB), R, GraphQL, C, Script language(shell, JSON, XML)

**Frameworks:** React.js(Redux, React hooks), Vue.js, Node.js, Git, Linux, Spring, RocketMQ, D3.js.

**Others:** Distributed system(Hadoop, Redis), Server Deployment and Cloud Services(AWS, Docker, Jenkins, Maven), Microsoft Office applications(Word, Excel), Agile methodologies, Performance Test, Problem-solving and analytical skills, Personality(interpersonal communication skills, self-motivated, leadership).

## EXPERIENCE

Full stack developer(Co-op) at Cargurus

Jan 2023 – Jun 2023

- Developed **RESTful APIs and client classes** to support C2D offer evaluation, including checking offer eligibility, retrieving inventory listings, and triggering email events within Iterable. Also, performed **Unit test** with **JUnit**.
- Contributed to **frontend development** for C2D2, including loading animations, UI display changes in the preOffer form, data tracking analytics, and enhancing landing page elements..
- Optimized **playwright automated E2E testing** by implementing the self-scheduler feature and effectively addressing other issues such as flaky behavior and picture loading timeouts.
- Assisted team members in **troubleshooting** and resolved data format conflicts among different projects.

Frontend developer(Full-time) at S.F. Express Co.LTD.

Aug 2020 - Jun 2021

- Developed new features for multiple cross-functional agile teams (Campus Delivery team) on a bi-weekly basis. Released **7 major version updates** and **15 minor version updates**.
- Designed and implemented JavaScript and React.js-based UI/UX, collaborating with the team to propose interface optimization solutions that resulted in a **23% increase** in monthly delivery order volume.
- Collaborated cross-functionally to support the medicine delivery team and created a **web application MVP** for migrating **4 main features** from other platforms.
- Contributed to the department's **IT infrastructure** (UI library) by developing and documenting **3 reusable front-end components**, including a customized table and a signature pad, saving over 10 hours of development time per month.

Software development Engineer(Internship) at Hangzhou Yuancheng Technology.

Feb 2020 – Jun 2020

- Communicated with the data warehouse team to identify common problems for products and revamped the data audit system with **Vue.js**, then integrated some **technical solutions**, such as data validation, and file import. The upgraded system helped to reduce the total rate of dirty data by **1.2%**.
- Visualized data reports and developed **6 data charts** with **echarts.js** and **d3.js** for the data analysis team.
- Deployed **micro-services** and **CI/CD pipelines** with **Jenkins** + **GitLab** to increase the scalability/reliability and deployment velocity of the platform.
- Participated actively in **Scrum/code review** meetings and made **2 presentations** about the best practices of front-end tools.

## PROJECTS

E-commerce seckill system (Full-stack software engineer in the team)

- Researched the market and joined an e-commerce innovation team, writing innovative business plans and strategies.
- Built 6 restful APIs with **Node.js** + **Egg.js** + **MongoDB** and used.
- Utilized **Lucene** for full-text search, **RocketMQ** for the message queue, **Nginx** for web application deployment, and **snowflake algorithms** for the uniqueness ID in distributed systems.
- Built High Load Testing with **JMeter** and implemented **Sentinel** into the system as flow control tools.

Homestay Rental system (Team leader)

- Initiated a new project for a homestay rental platform that allowed users to view the detail of local accommodations and reserve them.
- Designed and created a mobile web application with **React** + **Bootstrap**.
- Integrated Machine Learning **recommendation algorithms** based on item collaborative filtering with **Python**.