Liqian(Iris) Ma

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SUMMARY

Seeking 2022 summer intern, software engineer position.

Master of Science in Computer Science candidate with strong programming, analytical and mathematical skills. Has a wide range of project experience, including multiple **full-stack web application development** with **React, Firebase, Spring and Hibernate.** Worked in education industry for 3+ years.

EDUCATION

Northwestern University	09/2021 - Present
Master of Science, Computer Science	
University of Minnesota, Twin Cities	08/2018 - 05/2020
Master of Education, Leadership in Education	
East China University of Science and Technology	09/2014 - 06/2018
Bachelor of Management, Human Resource Management	

PROJECTS

Account-Book: an online account book application based on React, React-redux and Firebase

https://your-account-book.herokuapp.com/

- ✧ Designed a single page web application with **React** and **React-redux** to access and operate the user expenses.
- ✧ Developed an interactive web page utilizing **AJAX** technology (**HTML, CSS and JavaScript**) to add, edit, remove, sort and filter the expenses data.
- ✧ Implemented client-side routing using **React-Router** to navigate among views of various components.
- ✧ Used **Google Firebase** to support authentication, upload, delete and search functionality.
- ✧ Deployed the account book application to **Heroku** for demonstration.

Hermes: a Spring and Hibernate based Shopping and Ordering system

- ✧ Used **Spring** framework to build a web application for users to shop and order items online.
- ✧ Developed a web application based on **Spring MVC** to support item search and listing (dependency injection, inversion of control, **REST API** etc.).
- ✧ Implemented security workflow via in-memory and **JDBC** authentication provided by Spring Security.
- ✧ Utilized **Hibernate** to provide better support of database operations.

Trading Signal Detector: an Event-based Trading Signal Detecting System

- ✧ Used **Selenium** and **BeautifulSoup4** to scrape and parse news articles from multiple news sources.
- ✧ Indexed news articles with **MongoDB**. Developed an event detection dataset by assigning token-level event labels to thousands of scraped news articles.
- ✧ Exploited a novel model to detect corporate events from real-time news feeds. Designed the website with **React** to visualize the detected results. This work is summarized and published on *ACL 2021, Findings*.

SELECTED WORK EXPERIENCE

Good Kids Education	Minneapolis, US
Assistant Academic Director	10/2019 – 06/2021

- ✧ Developed positive relationships with students, provided leadership and support in student/teacher interaction.
- ✧ Assisted students in academic planning and monitored student's academic progress. Made course curriculum planning for TOEFL, IELTS, GRE and so on. Tutored students for basic writing and English skills.

TECHNICAL SKILLS

- ✧ Computer languages: Java, JavaScript, Python, SQL, HTML, CSS
- ✧ Skills: React, React-Redux, Spring, Java Servlet, Firebase, Heroku, MongoDB, AWS, RESTful, Git, Docker
- ✧ Certificates: Software Development Essential, The Complete React Developer, Basics of Web Development & Coding Specialization