

# Haoting Qiu

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## EDUCATION

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### Northeastern University

Boston, MA

M.S. in Computer Science, Major GPA 4/4

Jan 2020 - Dec 2022

Activities: Teaching Assistant (20 Fall, 21 Spring, 22 Spring)

### Harbin University of Science and Technology

Harbin, China

B.S. in Tourism Management with Specialization in Informatics, GPA 3.5/4

Sep 2015 - Jun 2019

## SKILLS

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**Programming Languages:** Java, Python, Swift, C, JavaScript, TypeScript, Shell Scripting

**Web Development:** React.js, Redux, Node.js, Express.js, HTML, CSS, Bootstrap, jQuery

**Database:** MySQL, MongoDB, Firebase

**Other Tools:** Git, AWS, Docker, Jira, Bitbucket, Confluence, Apache2

## EXPERIENCE

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### Meta (formerly Facebook)

Menlo Park, CA

#### Software Engineer Intern

May 2022 - Aug 2022

- Developed meeting draft (3<sup>rd</sup> most-requested feature) functions on the internal calendar
- Enhanced event category functionalities which significantly increased employees' productivity
- Polished the meeting draft feature by gathering users feedback, assigning priorities based on user impact and amount of engineering and design effort, etc.
- Built a user-friendly web UI by using **React.js**, **Relay**, and **JavaScript**
- Designed new backend object schema and **GraphQL** endpoints which support CRUD operations for meeting drafts with **Hack/PHP**

### Homesite (a part of American Family Insurance)

Boston, MA

#### Software Engineer Intern

May 2021 - Aug 2021

- Developed the Insurance Sales Platform for Costco and General Motors (OnStar) collaboratively with other divisions in an **agile environment**
- Implemented location-based product selection on the landing page which streamlined user interaction and improved information transparency by leveraging **TypeScript**, **React.js**, and **Material-UI**
- Optimized **Redux selectors** which enabled the platform to render discount information of products based on customer's personal selection and address
- Refactored insurance coverage page which reduced 50% of HTTP requests and enhanced UX for 200,000+ users

## PROJECTS

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### KV-Store | System

Mar 2022 - Apr 2022

- Built a key-value data storage that saves and retrieves data by keys using **C** in **Linux**
- Applied POSIX Threads and Monitors (mutex + condition variable) to achieve concurrent computing
- Implemented B+ Tree to improve time performance for CRUD deleting operations

### Cupola | Full Stack | <https://cupola.herokuapp.com/>

Jan 2021 - Apr 2021

- Built a web platform for buyers and sellers to post & view real-time real estate listings, bid to make an offer
- Leveraged **Node.js** and **Express.js** to develop **RESTful** web service for the UI
- Enhanced search results by combing data from different APIs including Zillow, Yelp Fusion, and Google Maps

### Explore&Mark | Mobile | <https://github.com/saryn-equinox/Explore-Mark/>

Dec 2020 - Jan 2021

- Developed an iOS app with **Swift** that allows users to explore attractions near their location and share their journey
- Implemented project in **MVC** framework to organize project structure and promote loose-coupled code
- Applied iOS CoreData and **Firebase Realtime Database** to store app and user data as well as **Firebase authentications** to secure user information