

# Haoting Qiu

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## EDUCATION

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### Northeastern University

Boston, MA

M.S. in Computer Science, GPA 3.96/4 (Major GPA 4/4)

Jan 2020 - Dec 2022

Related Courses: Object-Oriented Design, Web Development, Cloud Computing, Data Structures and Algorithms

Activities: Teaching Assistant (20 Fall, 21 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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### Homesite, a part of American Family Insurance Group (Fortune 500)

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 landing page which streamlined user interaction and improved information transparency by leveraging **TypeScript**, **React.js**, and **Material-UI**
- Optimized **Redux selectors** which enabled 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+ customers

### Piston Intelligence

Guangzhou, China

#### Software Engineer Intern

Oct 2018 - Feb 2019

- Developed ETL pipelines using **Python** to transform 8,000,000+ of data from **MongoDB** into informative format to develop vehicle trade-in value estimation model for Jaguar and Land Rover
- Applied **NLP techniques** to design and develop automated text mining programs used in multiple projects such as electronic vehicle pricing analyst for Mercedes-Benz
- Cooperated with team members to create data visualization app using **Python matplotlib**

## PROJECTS

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### File System layer over FoundationDB | Cloud

Sep 2021 - Present

- Writing a file system layer over FoundationDB with **C** in **Linux**
- Leveraging **FUSE** to interact with the client layer of **FoundationDB**
- Designing a mapping algorithm between files and directories to key-value pairs

### 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 combining 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