

## Bob Qian

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Nashville, TN

## Education

### Duke University

2020–2024

B.S. in Computer Science (GPA 4.0/4.0)

- Coursework: Data Structures and Algorithms, Computer Systems, Discrete Math for CS
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## Experience

### Software Engineer Intern @ Amazon

May–Aug 2022

- Architected fullstack end-to-end functionality for a new remote service registry to improve remote service cross-use and discoverability within proactive Alexa experiences
  - Projected to host 450 registry entries powering 1,300+ live Alexa experiences
- Designed and implemented a new DynamoDB table database schema and a corresponding Java RESTful API for the registry backend
- Built React-Redux frontend for users to view, create, update, and delete registry entries

### Teaching Assistant (CS201 Data Structures and Algorithms)

Jan 2022–present

- Led weekly discussion section of 25 students, held in-person office hours, graded projects and exams
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## Projects

### GroupMe Message Archiver (Java)

- Planned and developed program that uses GroupMe API to authenticate user and save the user's group chat or direct message history in markdown text format
- Provides custom statistics after archival of a chat message history, including "who texts more" and the average messages sent per day

### SpeechyNotes — HackDuke 2021 (React, NodeJS)

- Led team of 5 to design and develop a lecture transcription web app using AssemblyAI's audio-to-text API
  - I designed and programmed the frontend using React and NodeJS
  - Awarded hackathon prize for Best Project Built Using AssemblyAI's API
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## Skills

**Programming Languages & Frameworks:** Java, JavaScript, DynamoDB, React, Node, TypeScript, HTML, CSS, Express, Redux, Mockito, Jest

**Other:** Git, Github, REST APIs

## Awards

7th Place Individual — Lucid Programming Competition, UNC Chapel Hill Division

2021