# John Chong

Software Engineer | San Jose, CA (open to relocate & remote)
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## EDUCATION

**University of California, Berkeley**                                    *Data Science (Economics), B.A.*
**Rithm School Full Stack Engineering Bootcamp**                                                    *2023.*

## PROJECTS

**Mod6 - Trivia Game (React, TypeScript)** Live Demo | Github
- Used Typescript to establish data type validation for settings and current game state to prevent invalid game settings.
- Simplified game settings storage by caching data via LocalStorage, reducing latency by roughly 90%.
- Incorporated BrowserRouter in order to emulate endpoints and navigation for a single-page application.

**ShareNbN - Property Booking Platform (Flask, SQLAlchemy, PostgreSQL, React, AWS S3)** Live Demo | Github
- Implemented CSRF Tokens in Flask to secure user information of properties and bookings, preventing potential security breaches and enhancing user trust.
- Utilized Flask to be able to efficiently access relational databases via ORM (users to their properties and bookings).
- Stored client image files via AWS S3 for a more responsive backend as well as a better foundation for increased scalability.

**Jobly - Job Posting Application (React, Express, PostgreSQL)** Live Demo | Github
- Designed a RESTful API backend to allow users to perform CRUD operations on the users, jobs, and companies routes depending on authorization level and respond back with JSON. Achieved over 80% test coverage between unit and integration tests across the entire backend.
- Created a custom hook to work in sync with LocalStorage token changes in order to abstract away redundant logic and streamline API calls.
- Developed a single page application frontend using React with protected routes that only allows registered users to view the companies and jobs page. Handled nonvalid routes and 404s with a catch-all that redirects back to the homepage.

## WORK EXPERIENCE

**Rithm School**                                                    **San Francisco (Remote), CA**
*Software Engineer Intern*                                                    *April 2023-July 2023*
- Collaborated with Foqal to integrate their Slack App that enhances customer service by implementing a ticketing system and messaging-native tools.
- Expanded ticket search usability by 400% by repurposing the ticket search filter to allow users to select multiple filters instead of using one filter at a time (tags, ticket status, ticket priority).
- Improved ticket search functionality to include searching for tickets by ticket number and accessing ticket details with keyboard shortcuts.

**WTW**                                                    **St.Louis, MO**
*Actuarial Analyst*                                                    *August 2021-February 2023*
- Leveraged newly acquired skills in SQL to optimize reserving analyses on 75,000+ rows of liability data, resulting in 300% reduction in processing time through querying.
- Conducted insurance risk assessment reports for 50+ clients across workers' compensation and hospital liability industries and provided reserving recommendations for upcoming financial periods.

**Lyft**                                                    **San Francisco, CA**
*Actuarial Intern (Inaugural)*                                                    *May 2019-August 2019*
- Learned R to compile data from 10+ companies of relevant industries and create artificial industry data for the innovative ride-sharing market.
- Developed Lyft's Actuarial Quarterly Report template and implemented click-triggered footnote navigation within Excel using VBA.

## SKILLS

**Programming Languages:** JavaScript, TypeScript, Python, SQL, PostgreSQL, R, GraphQL, HTML, CSS
**Frameworks & Tools**: Node, Express, Jest, Django, Flask, SQLAlchemy, unittest, git, Github, AWS S3, MongoDB
**Libraries:** React.js, React Testing Library, Mongoose