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*

WORK EXPERIENCE

Rithm School   **San Francisco (Remote), CA**
Software Engineer Intern   *04/2023-07/2023*
- 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   *08/2021-02/2023*
- 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)   *05/2019-08/2019*
- 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.

TECHNICAL 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.

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