

Jian Qin (Ray)

Phone & Email: +1(415) 604-6032 – qinjianxyz@gmail.com

LinkedIn: <https://www.linkedin.com/in/qinjianxyz>

GitHub: <https://github.com/qinjianxyz>

Website → <https://qinjian.xyz>

Education

University of California San Diego

Sep 2019 – Jan 2023

- *Bachelor of Science*: Mathematics – Computer Science
- *Bachelor of Science*: Mechanical Engineering
- Double Major – GPA: 3.9+/4

Work Experience

Data Analyst Internship, Qualcomm Institute

Dec 2020 – Jun 2021

- Scaled up data analysis with Yelp API for locations, ratings, and text reviews data. Conducted sentiment analysis with NLP libraries to understand customer reviews. Concluded insightful correlations and descriptive statistics on businesses.

Instructional Assistant, UC San Diego

Dec 2020 – Jun 2021

- Tutor students on Solid Mechanics & Linear Circuits under MAE department.
- Prepare course and exam material. Conduct oral exams with students.
- Improved students' performance by evaluating assignments and designs.

Featured Projects

Live Demo & GitHub Repo at → <https://qinjian.xyz>

Cloud Drive XYZ

- Built full stack cloud-based file system with React and Firebase.
- Implemented authentication, authorization, and security rules for data access.
- Allows logged-in users to upload and delete files and folders in a tree structure.

Restaurant Finder XYZ

- Developed full stack review system with PostgreSQL, Express, React, and Node.js.
- Configured database query, server-side routes, and client-side API calls.
- Engineered error handling and form validation for all input fields.

Library XYZ

- Built full stack library with MongoDB, React, Fetch API, EJS, and Node.js.
- Organized the application structure with Model View Controller (MVC) pattern.
- Developed functionality of create, delete, and query for books and authors.

Sudoku Solver

- Implemented backtracking algorithm to instantly solve any valid sudoku.
- Rejects inputs including invalid characters, no solution, or multiple solutions.
- Utilizes React functional components and props passing for state management.

Skills

- Java, Python, C++, HTML, CSS, JavaScript, React, Firebase, PostgreSQL, AWS, MongoDB, Express, TensorFlow, Docker. SQL, MATLAB, ARMv8.