

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
- Provost Honors – CFA Candidate – GPA: 3.9+/4

Work Experience

Data Analyst Internship, Qualcomm Institute

Dec 2020 – Jun 2021

- Performed data acquisition 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

- Tutored students, prepared course material, and evaluated student assessments.
- Assisted Engineering Graphics & Design, Linear Circuits, and Solid Mechanics.
- Fostered positive and inclusive learn environments for all students.

Projects Experience

Live Demo & More Info 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 MERN stack application with Model View Controller (MVC) pattern.
- Developed functionality of create, delete, and query for books and authors.

Sudoku Solver - Implemented backtracking algorithm and form validations.

Mars Landing Simulation - Simulated six different trajectories of capsules landing on Mars.

Light Saber Picking Robot - Designed and manufactured a competition robot.

Thermostatic Mug – Built a temperature control system with Arduino sensors.

Skills

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