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 learning 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

- 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.

Mars Landing Simulation

- Simulated six different trajectories of capsules landing on Mars in MATLAB.
- Integrated parameters such as mass, gravity, air density, and data visualizations.

Sudoku Solver

- Implemented backtracking algorithm to instantly solve any valid sudoku with React.

Thermostatic Mug

- Built a smart temperature control system with Arduino, external hardware, and python.

Skills

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