

Jian Qin (Ray)

<https://www.linkedin.com/in/jian-qin-ucsd/>

CONTACTS

- Phone: +1(415) 604 - 6032
- Email: qinjianxyz@gmail.com
- GitHub: <https://github.com/jian2074>
- ➔ **Portfolio:** <https://qinxyz.com>

EDUCATION

University of California San Diego

- Undergraduate: Sep 2019 – Jun 2023
- BS: Mathematics – Computer Science
- BS: Mechanical Engineering
- GPA: 3.9+/4

San Domenico School

- High School: Sep 2015 – Jun 2019
- Graduated with Highest Honor
- Varsity Track & Field Captain
- GPA: 3.9+/4

SKILLS

Programming Stacks:

Java, C++, Python, SQL, C, JavaScript, CSS, HTML, React.js, React Native, Bootstrap, Pandas, TensorFlow,

Engineering:

Solidworks (CSWA certified), ANSYS, AutoCAD, MATLAB, Inventor, GD&T, Arduino, Prototyping, Design of Experiment, FEA, ANSYS, Design of Machine Elements, Machining, 3D Printing, Laser Cut.

Mathematics:

Probability & Statistical Model, Modern Applied Algebra, Combinatorics, Numerical Method for linear, non-linear & differential equations

Soft Skills:

Negotiation – Investment Management
Event Planning – Planned Prom 2018
Initiative – Founded Fitness Program
Public Speaking – Junior Class President

Work Experience

Research Intern – Qualcomm Institute

Dec 2020 – Jun 2021

- Qwwqe
- Ewewe
- Qsdqdw

Instructional Assistant – UC San Diego

Dec 2020 – Jun 2021

- **Assist** Professor to prepare course material.
- **Tutor** students on Solid Mechanics during office hours.
- **Evaluate** student's papers & circuit designs.

★Projects & Experience★

Personal Website & Blog – JavaScript, HTML, CSS <https://qinxyz.com>

- Visit for career summary, blog articles, **project demos**, unlisted projects, community service, awards, and **presentations** of accomplishments.

Bug Tracker / Helpdesk System – React.js, JavaScript, SQL

- Demonstrate **Authorization, Authentication** from users.
- Tutor students on Solid Mechanics during office hours

Finance Application – Yahoo Finance API, JavaScript, SQL

- Demonstrate Authorization, Authentication from users
- Tutor students on Solid Mechanics during office hours

Medical Device – Engineering Capstone - Solidworks, Laser Cut, Manufacture

- Assist Professor to prepare course material.
- Tutor students on Solid Mechanics during office hours.

Autonomous Vehicle – Computer Vision, ML, Python

- Assist Professor to prepare course material.
- Tutor students on Solid Mechanics during office hours.

Coding Challenge Visualizer (Optional) – JavaScript, Python

- Assist Professor to prepare course material.
- Tutor students on Solid Mechanics during office hours

Thermostatic Mug – Solidworks, Arduino, Python, 3D Printing

- **Designed & Manufactured** functioning prototype of a thermostatic mug.
- Maintains customized temperature through **Arduino** sensor & **Python**.

Simulation of Mars Landing – MATLAB

- **Simulated** 6 different trajectories of capsules landing on Mars.
- Parameters include mass, gravity, air drag, air density, thruster, etc.
- **Data visualization** include landing time, landing speed, orbital period.