

# Yixuan Zhou

Tel: (858) 414-3830

Email: [yiz044@ucsd.edu](mailto:yiz044@ucsd.edu)

LinkedIn: [Yixuan Zhou](#)

GitHub: [Yixuan Zhou](#)

A hungry learner. A dedicated team player. An empowering leader.

San Diego, California, United States

## EDUCATION

### University of California, San Diego

- Anticipated June 2022.
- **Double Major** in **Computer Science** and **Mathematics-Probability and Statistics**.
- Major GPA: **4.0/4.0**. Overall GPA: **3.97/4.0**.
- Related Courses:
  - CSE 100: Data Structure
  - CSE 101: Algorithms
  - CSE 110: Software Engineering
  - CSE 152A: Computer Vision

## SKILLS

- Programming Languages:
  - **Proficient:** Python, Java, C/C++.
  - **Familiar:** Matlab, Bash scripting, HTML/CSS/Javascript, ARM, System Verilog.
- Language Proficiency: Chinese, English.
- Other: Ultimate Frisbee!

## EXPERIENCES

### Intern Axiom Academy

Aug. 2019 - Sept. 2019

- Built web crawlers for extracting data that supplies and trains the model.
- Automated company's original traffic data collector to hourly request data from map APIs.
- Create site selector in python integrated the traffic data and the correlations of POIs.

### Undergrad Researcher UCSD Department of Math

June 2020 - Sept. 2020

- Research assistant working with Professor Jonathan Novak in the field of Probability, in particular, the Random Matrix theory.
- Composed reports introduce the whole process from the construction a simple one-dimensional Brownian Motion through a properly scaled random walk to the construction and analysis of Dyson Brownian Motion.

### Tutor UCSD Department of CSE

Apr. 2019 - Present

- Undergrad TA for CSE 12 (Basic Data Structure) and CSE 15L (Software Tools & Technologies) with Professor Gary Gillespie.
- Help to explain technical terminologies and demonstrate behaviors of data structures to students through tutor hours, help professor to redesign the class.
- Languages use: Java, C, C++

## PROJECTS

### Autograder Backend Lead Developer

Sept. 2019 - Present

Python, Flask, PostgreSQL, Docker

- Serving as backend lead in autograder team ([autograder.ucsd.edu](http://autograder.ucsd.edu)), a service used by 2000+ UCSD students and professors to facilitate student-tutor queue.
- Redesigned the relational database and reconstructed the website's backend to migrate to modern technologies so that it is up to date and easy to maintain.

### Six Degrees of Kevin Bacon Individual Project

C++

- Implemented an actor graph based on data set from IMDb, connected two actors when both in the same movie. May 2020
- Implemented DFS, BFS, Dijkstra for searching path to connect actors

## AWARDS

### Champion of Beginner's Programming Competition

- Teamed up with a friend, solved 15 programming tasks under 2.5 h on Hackerrank.
- Won 1st place in the 100-teams competition. June 2019