Lele Zhao

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EDUCATION

The University of California, San Diego (UCSD), La Jolla, CA   September 2021 - June 2025
Bachelor of Science in Mathematics and Computer Science
- GPA: 3.7/4.0
- Relevant Coursework:
    - Electrical engineering: Introduction to Analog Design, Circuits and Systems, Components and Circuits Lab
    - Computer Science (4.0/4.0): Discrete Mathematics, Basic Data Struct & OO Design, Computer Organizing & Systems

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PRACTICAL EXPERIENCE

CaoGroup.Inc, Salt Lake City, Utah   July 2022 - August 2022
Product Development Intern
- Helped improve C code for the laser emitter, and debugged and fixed errors for the laser emitter API using XCode
- Designed the circuit board with Microchip
- Completed the communication between client API and backend code for laser emission

Straight A Prep Education, New York   July 2022 - August 2022
IT Lead
- Led a 5-person team to develop the org website and completed the general IT maintenance.

PROJECTS

Straight A Prep Website (Full Stack Web Development)   July 2022 - August 2022
Team Leader
- Led a team to accomplish a multilingual, dual-portal website with database using MERN stack
- Worked with HR personnel to communicate with graphic designers over specific design requirements
- Implemented fully functional CRUD operations for user/admin logins and blog entries
- Tested CRUD operations of API endpoints using Insomnia API, and deployed website on Heroku.

Project Link: https://github.com/anubhajoshi01/straight_a_website

Hackathon Project: Play Buddy App   December 2021
- Led a team to develop a mobile app that allowed users to create and join sports events in their location
- Used Flutter SDK with Dart language for frontend and backend development
- Used Google Firebase for database and user authentication and Hive as a local database to store currently logged-in users
- Used the Geolocator library to locate users and make suggestions for nearby events, and used Google Maps API for map view

Project Link: https://github.com/lelegoat/covid_lineup_app

Rocket Grading   October 2020- November 2020
- Developed a grading UI with functions like Canvas Student, and used MySQL for database storage and account authentication
- Used JavaFX to create functional pages for teachers to create classes, add students, add assignments, and input grades.

Project Link: https://github.com/lelegoat/Rocket_Grading-1.0

ACTIVITIES

Triton Engineering Student Council (TESC), UCSD   May 2022 - Present
Vice President External
- Planned networking and professional development events such as EOTG, DECaF, and hackathon SD Hacks
- Organized largest networking events for engineering students on campus with 800-1000 participants each
- Led a team of 7 and hosted regular council meetings weekly

HONORS AND AWARDS

- 12/2022 Provost Honors, UCSD
- 12/2021 Most Inspiring Project Award, Ottawa-Carleton Hackathon

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OTHER INFORMATION

- **Technical Skills:**
  Programming: JavaScript, Dart, Java, Python, C
  Webs & Databases: MySQL, MongoDB, Heroku web hosting, Postman, Firebase, HTML, CSS, NodeJS, ReactJS
  Frameworks/Technologies: Git, Flutter, Vim, Bash
- **Languages**: Chinese-Mandarin (native), English (fluent)