SOPHIA ZHU

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EDUCATION

University of California, San Diego   La Jolla, CA
Bachelor of Science in Computer Science, Regents Scholar   Expected Jun 2027
Relevant coursework: Multivariable Calculus (summer 2023)

Irvington High   Fremont, CA
GPA 4.0, Math Department Award for Academic Excellence (2023)   Jun 2023

WORK EXPERIENCE

Success Manager/Software Developer   Jul 2023 – Aug 2023
PilotCity (edtech startup that connects high schoolers with internship opportunities)
- Developed Vue.js software enabling PilotCity employers to tailor internship submission requirements
- Co-managed team of 30+ student developers; guided them through setup/design/coding process

Summer Intern   Jul 2022 – Aug 2022
Alan AI (conversational voice AI company)
- Developed a web app combining Python and Alan AI software to create calendar events from voice input
- Integrated Google Calendar API to handle event details such as recurring events, time zones, etc.
- Used Django, back-end development, and API integration (self-taught)

PROJECTS

3D-Printed Robot ("Runaway Button")   Sep 2022 – May 2023
- Co-created a robot car using an Arduino and 3D-printed and laser-cut parts

Food Waste Education Website   Oct 2021 – Oct 2021
- Built educational website in 2-person team using HTML, CSS, and JS
- Awarded Best Duo in Uberposition Hackathon (159 participants)

ACTIVITIES

Coding Tomorrow Initiative (nonprofit organization)   Sep 2021 – Aug 2023
- Directed officer team in organizing and publicizing free summer coding classes for 40+ students
- Taught three 8-hour sessions of beginner coding classes in web dev and Java to 16 total students

Science Olympiad   Sep 2022 – Feb 2023
- Encrypted and decrypted ciphers
- Constructed antenna from copper wire and Legos to amplify Wi-Fi router signal
- Used force-sensitive resistors to build an electronic weighing scale; wrote calibration code in C++
- Designed and built a variable-length timer using the period of a rod's rotation in a dampening mixture

Science & Philosophy Magazine Club   Sep 2021 – Jun 2022
- Directed club of 10+ club officers, authors, editors, and designers to publish 16 magazine articles
- Programmed an automated reminder system using Google Scripts

ADDITIONAL

Technical Skills: JavaScript, Python, Vue.js, Django, Bootstrap, APIs, Git, GitHub, Google Suite
Soft Skills: Problem-solver, team player, communicator, organized, detail-oriented, versatile, eager learner
Languages: English (native), Mandarin Chinese (native)
Awards: National Merit Scholarship (2023)
    American Invitational Mathematics Examination qualifier (2021, 2022, 2023)