RICHARD S. ZHU

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EDUCATION

University of California, Berkeley (GPA: n/a)   Berkeley, CA

B.A. Computer Science   *August 2019 — May 2023*

Relevant Coursework:
- Structure and Interpretation of Computer Programs, Designing Information Devices and Systems

Westview High School (GPA: 4.56)   San Diego, CA

Rank #3/595   *August 2015 – June 2019*

PROJECTS

Bomberman Remastered (Java, GitHub)

An improved remake of the classic video game Bomberman that can be played on modern devices
- Added an all-new local multiplayer mode, including dynamic player vs. player gameplay and a reworked keyboard control system
- Utilized the Java Swing Toolkit to update graphical textures and construct a window-based GUI

Smart Typing Practice Program (Python)

Interactive typing program, which calculates typing speed and accuracy with every keystroke
- Implemented smart autocorrect feature, which compares typed input to a container of correct words, determines degree of similarity, and determines whether to replace the input
- Set up communication of clientside information to game servers for multiplayer integration

LEADERSHIP

Catalyst for Success   San Diego, CA

Treasurer   *September 2017 — August 2019*
- Worked with library officials to run a weekly program teaching programming and circuitry to over 250 local students (Python, Arduino, Javascript)
- Oversaw the organization's finances, raising $310.00for new supplies

EXPERIENCE

UC Berkeley Open Computing Facility (OCF)   Berkeley, CA

Staff Member   *September 2019 — Present*
- Contributed to codebase of ocfweb, the OCF web page, which handles password resets, account creation, dynamic lab usage statistics, and more

Gateways Summer School   San Diego, CA

Teaching Aide   *July 2018 — August 2018*
- Aided Architecture & Engineering teacher with giving lessons and mentoring students
- Guided students on their projects and supervised them during break, learning, and work times

Online Clothing Page   San Diego, CA

Self Employed   *January 2018 — June 2019*
- Sold, packaged, and shipped clothing, cosmetics, books, and other items through an online webpage, with over 85 transactions totalling a revenue of $2,237.35

OTHER

Skills
- Python, Java, SQL, HTML/CSS, JavaScript, Scheme
- Linux (Ubuntu), Git, Android

Awards/Honors
- Intuit George A. Hansen Scholar for Computer Science
- San Diego Fraternity of Academic and Civic Excellence Selectant
- Southern California Developmental Soccer League Div. 1 Champion