

# RICHARD S. ZHU

rszhu@berkeley.edu • 858-371-8838  
linkedin.com/in/rszhu • github.com/richardszhu

EDUCATION	<b>University of California, Berkeley</b> <i>B.A. Computer Science</i> <b>Relevant Coursework:</b> Structure of Computer Programs, Information Devices and Systems	<b>Expected Graduation:</b> May 2023
SKILLS	<b>Languages:</b> Python, Java, SQL, JavaScript, HTML/CSS <b>Frameworks/Technologies:</b> Git, Linux (Ubuntu), Android, NumPy	
PROJECTS	<b>Bomberman Remastered (Java, GitHub)</b> Improved remake of the classic video game Bomberman that can be played on modern devices <ul style="list-style-type: none"><li>Added an all-new local multiplayer mode, including dynamic player vs. player gameplay and a reworked keyboard control system</li><li>Utilized the Java Swing Toolkit to update graphical textures and construct a window-based GUI</li></ul> <b>Smart Typing Practice Program (Python)</b> Interactive typing program which calculates typing speed and accuracy with every keystroke <ul style="list-style-type: none"><li>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</li><li>Set up communication of clientside information to game servers for multiplayer integration</li></ul> <b>Final Grade Calculator (Python)</b> Final grade calculator script that takes weighted categories and point totals into consideration <ul style="list-style-type: none"><li>Constructed algorithm which computes a needed final exam score based off of a user's desired class grade</li><li>Tailored to accomodate grade systems where final is not in a seperate category (Unlike RogerHub's)</li></ul>	
ACTIVITIES	<b>UC Berkeley Open Computing Facility (OCF)</b> <i>Staff Member</i> <ul style="list-style-type: none"><li>Contributed to codebase of ocfweb, the OCF web page, which handles password resets, account creation, dynamic lab usage statistics, and more</li></ul> <b>Catalyst for Success</b> <i>Treasurer</i> <ul style="list-style-type: none"><li>Worked with library officials to run a weekly program teaching programming and circuitry to over 250 local students (Python, Arduino, Javascript)</li><li>Oversaw the organization's finances, raising \$317.00 for new supplies</li></ul>	<b>Berkeley, CA</b> <i>Sep. 2019 – Present</i> <b>San Diego, CA</b> <i>Sep. 2017 – Aug. 2019</i>
EXPERIENCE	<b>Gateways Summer School</b> <i>Teaching Aide</i> <ul style="list-style-type: none"><li>Aided Architecture &amp; Engineering teacher with giving lessons and mentoring students</li><li>Guided 30 students on their projects and supervised them during break, learning, and work times</li></ul> <b>Online Clothing Page</b> <i>Self Employed</i> <ul style="list-style-type: none"><li>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</li></ul>	<b>San Diego, CA</b> <i>Jul. 2018 – Aug. 2018</i> <b>San Diego, CA</b> <i>Jan. 2018 – May 2019</i>
OTHER	<b>Awards</b> <ul style="list-style-type: none"><li>Intuit George A. Hansen Scholar for Computer Science</li><li>San Diego Fraternity of Academic and Civic Excellence Selectant</li><li>Southern California Developmental Soccer League Div. 1 Champion</li></ul>	