

RICHARD ZHU

rszhu@berkeley.edu | 858-371-8838 | linkedin.com/in/rszhu

EDUCATION

University of California, Berkeley
B.A. Computer Science

Graduation May 2023
GPA 3.95

EXPERIENCE

Databricks

Software Engineering Intern

- Incoming in Summer 2021, working on backend infrastructure

May 2021 – August 2021
San Francisco, CA

UC Berkeley Department of EECS

Undergraduate Student Instructor

- Led weekly, problem-based lab and discussion sections for 40 students in CS 61A: Intro to CS
- Answered conceptual questions and guided students with debugging during office hours
- Managed 2 academic interns, providing pedagogy mentorship and direction in tutoring sections

January 2021 – Present
Berkeley, CA

Hearst Museum of Anthropology

Research Assistant

- Developed an automated image processing pipeline in Python, used on 151,173 manuscript scans
- Optimized text legibility by dewarping, deskewing, and binarizing image scans with OpenCV
- Extracted text data from selected documents via OCR, utilizing Google Cloud's Vision API

February 2020 – May 2020
Berkeley, CA

PROJECTS

Investment Portfolio Diversity Visualizer | Python

github.com/richardszhu/br-pdv

- Won the BlackRock API Prize at Cal Hacks 6.0, the largest collegiate hackathon in the world
- Built a tool to help diversify investment portfolios based on a given security data attribute
- Categorized and displayed stock market data using BlackRock's Aladdin API and Matplotlib

Bomberman Remastered | Java

github.com/richardszhu/bomberman

- Created a multiplayer version of the game Bomberman that runs on modern operating systems
- Designed menus, handled controls, and executed game events with the Java Swing toolkit

ACTIVITIES

Democratic Education at Cal, Teaching Assistant (Algorithmic Thinking)
Computer Science Mentors, Content Writer (Data Structures)

February 2021 – May 2021
August 2020 – December 2020

AWARDS

Upsilon Pi Epsilon, Computer Science Honors

March 2021

BlackRock, Cal Hacks 6.0 API Prize

October 2019

Intuit, George Hansen Computer Science Scholarship

April 2019

SKILLS

Languages: Python, Java, Scala, C, C++, SQL, HTML, CSS

Tools: Git, Bootstrap