

RICHARD ZHU

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EDUCATION

University of California, Berkeley

B.A. Computer Science

Graduation: May 2022

GPA: 3.94

EXPERIENCE

Databricks

Software Engineering Intern (Incoming)

May 2021 – August 2021

San Francisco, CA

UC Berkeley Department of EECS

Course Tutor

June 2020 – Present

Berkeley, CA

- Led 6 weekly group tutoring sections for students in CS 61A (Intro to Programming)
- Answered conceptual questions and assisted students with debugging during office hours
- Graded student projects for correctness and proper Python programming style

UC Berkeley Department of Anthropology

Software Developer

February 2020 – May 2020

Berkeley, CA

- Developed an image auto-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

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
- Utilized the Java Swing toolkit to design menus, handle controls, and execute game events

ocf.io/rszhu | *HTML, CSS, JavaScript*

github.com/richardszhu/website

- Designed and built a personal site from scratch, utilizing the Bootstrap front end framework
- Ensured font and layout compatibility for any operating system, display size, or web browser

ACTIVITIES

Content Writer, Computer Science Mentors

August 2020 – Present

Academic Intern, UC Berkeley Department of EECS

January 2020 – August 2020

AWARDS

Winner, Cal Hacks 6.0 BlackRock API Prize

October 2019

Winner, Intuit George A. Hansen Computer Science Scholarship

April 2019

Winner, Intuit Academic Scholarship

April 2019

SKILLS

Python, Java, C, C++, SQL, HTML, CSS, JavaScript, Git, Unix, Bootstrap, NumPy