RICHARD ZHU

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EDUCATION

University of California, Berkeley	**Graduation** May 2023
B.A. Computer Science	**GPA** 3.94

EXPERIENCE

Ramp	Sept. 2022 – Dec. 2022
Software Engineering Intern (Incoming)	*New York, NY*

Citadel	Jun. 2022 – Aug. 2022
Software Engineering Intern (Incoming)	*New York, NY*

Nuro	Feb. 2022 – May 2022
Software Engineering Intern (Incoming)	*Mountain View, CA*

Databricks	May 2021 – Aug. 2021
Software Engineering Intern	*San Francisco, CA*

- Deployed internal app to visualize and manage benchmarks for detecting performance regressions
- Migrated load tests to use the Armeria async HTTP Client, increasing request throughput by 2.5x
- Built pipeline to automate test runs, take performance metrics, and store results in an AWS RDS

University of California, Berkeley	Jan. 2021 – Dec. 2021
Undergraduate Student Instructor	*Berkeley, CA*

- Led lab and discussion sections of 40 students for CS 170: Algorithms and CS 61A: Intro to CS
- Answered conceptual questions and guided students with debugging projects during office hours
- Managed 2 academic interns, providing pedagogy mentorship and instruction in tutoring sections

PROJECTS

Archaeological Image Processing Pipeline │ *Python*   Private Repository

- Developed an automated image processing pipeline in Python, used on 151,173 manuscript scans
- Optimized legibility and extracted text data via OCR, using OpenCV and Google Cloud's Vision API

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, utilizing BlackRock's Aladdin API and MatPlotLib

ACTIVITIES

Democratic Education at Cal, Teaching Assistant	Feb. 2021 – May 2021
Computer Science Mentors, Content Writer	Aug. 2020 – Dec. 2020

AWARDS

Neo, Scholar	Sept. 2021
Upsilon Pi Epsilon, Computer Science Honors	Mar. 2021
Intuit, Hansen Computer Science Scholarship	Apr. 2019

SKILLS

Languages: Python, Java, Scala, Go, JavaScript, C, SQL, Jsonnet
Tools: Git, Kubernetes, Docker, Angular, MySQL, AWS, Jenkins, Spark, Bazel