

JAYSA GARCIA

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EDUCATION

University of California, Berkeley

B.A. in Computer Science, B.A in English – GPA: 3.76/4.0

Berkeley, CA

Aug. 2022 – May 2026

EXPERIENCE

Open Computing Facility – ocf.io

August 2022 – Present

General Manager, Sysadmin DeCal Facilitator

- Led a student-run class on Linux Systems Administration for 89 students: ocf.io/decal
- Budgeting \$80k annual funding, handling payment of 9 front desk staff and lab equipment reimbursements
- Facilitated hardware upgrades for 30 Debian Linux workstations in Spring 2024
- Debugging issues for any of the 1000+ student organization, lab, and faculty websites hosted by the OCF

Committee On Student Fees

Mar. 2023 – Present

Internal Vice Chair

- Writing annual reports using in-depth audits and interviews that summarize the financial status of various university branches: csf.berkeley.edu/publications
- Formulating recommendations for allocation of \$47.5m Student Services Fee fund
- Lead developer of data visualization project, which provides an informative breakdown of student fee allocation across various university departments, improving fee transparency for students
- Sole maintainer of organization's main website
- Ensuring public-facing digital content complies with WCAG 2.0 AA accessibility standards

Society of Women Engineers

Jan. 2024 – May 2024

Assistant Teacher

- Teaching middle-school girls basic coding skills using Scratch and Python
- Grading assignments, presenting lessons, and running virtual office hours

The D.E. Shaw Group

Mar. 2024

Discovery Fellow

PROJECTS

Student Fee Data Visualization Website | [Javascript](https://www.jaysa.net), [Node.js](https://www.jaysa.net), [HTML](https://www.jaysa.net), [CSS](https://www.jaysa.net)

September 2023 – Present

- Developed back-end that uses SQL and Google Visualization API to query spreadsheets accessible to non-technical staff
- Designed front-end with React and Next.js
- Researched and compiled historical data regarding UC Berkeley tuition and fees

CS61Cpu | [RISC-V](https://www.jaysa.net), [Logisim](https://www.jaysa.net)

July 2024

- Designed a 2-stage pipelined CPU capable of executing common RISC-V instructions
- Implemented loads and stores, jumps and branches, and other features using logic gates and simple subcircuits

Wordnet | [Java](https://www.jaysa.net)

October 2023

- Wrote back-end in Java for browser-based tool made to view historical popularity of individual words
- Deployed a web server to handle user input and requests

TECHNICAL SKILLS

Languages: Java, SQL, Python, C, JavaScript, Bash, RISC-V, HTML/CSS

Coursework: Data Structures & Algorithms, Linux Systems Administration, Computer Architecture, Computer Security, Discrete Mathematics & Probability Theory, Linear Algebra, Calculus

Developer Tools: Nix, Nginx, Docker, Puppet, Google Cloud Platform, Git, Github, Logisim

Frameworks: Next.js, Jekyll, Tableau, WordPress, Microsoft Office

Libraries: React, Recharts, Chart.js