

# CJ Hines

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📍 Los Angeles, CA (willing to relocate)

## Education

**University of California, Berkeley**, *B.S. Computer Science and B.A. Economics* Aug 2019 – Aug 2023 | Berkeley, CA, USA  
• GPA: 3.57. Dean's List 2020-2021.  
• Leadership and Societies: Society of Women Engineers. The Berkeley Forum. Muay Thai Team. Pilipinx Association of Scientists.  
• Relevant Coursework: Discrete Mathematics and Probability Theory. Artificial Intelligence. Econometrics. Data Structures and Algorithms. UI/UX Design and Development. Computer Graphics. Financial Economics. Economic Research.  
• Study Abroad in Economics and English at the University of Cambridge, Pembroke College. GPA: 3.7.  
• Study Abroad in Computer Science and History at King's College London. GPA: 3.7.

## Professional Experience

**Backend Software Engineer**, Dec 2023 – present | Silicon Valley, CA, USA  
*POSH Energy (YC-backed startup building robots to recycle EV batteries)* [↗](#)  
• Conducted quantitative research on renewable energy policies, delivering actionable business insights for strategic decisions.  
• Led backend API development in Python and managed the proposal tool project, resulting in an expanded client base.  
• Implemented a file upload system using AWS SDKs, S3, and Lambda, enhancing cost modeling and solar calculations by 30%.  
• Worked autonomously and proactively communicated progress and concerns in a remote work environment.

**Software Engineer (Part-Time)**, Oct 2022 – May 2023  
*Energport (100-employee startup for renewable energy storage systems)* [↗](#) San Francisco Bay Area, CA, USA  
• Authored and maintained 50+ comprehensive test cases for the energy management system, reducing system debugging time.  
• Configured a VM environment using PostgreSQL and OracleVM, creating a testing platform that reduced software cycles.  
• Actively participated in SDLC phases, including requirement analysis, design, and code reviews.

**Software Developer Intern**, Jun 2021 – Aug 2021  
*Nextracker Inc (Post-IPO leading global solar tracker and software company)* [↗](#) San Francisco Bay Area, CA, USA  
• Developed a Go-based simulator for testing and performed traffic testing on devices, resulting in installation savings by 40%.  
• Gained deployment experience using Docker and Jenkins, refactored the backend logging system, and wrote documentation.  
• Collaborated with fellow interns on research and development projects, contributing to innovative solutions and new ideas.

**Undergraduate Data Science Research Assistant**, Jan 2021 – Jun 2021  
*UC Berkeley Division of Computing Data Science and Society / Terminal49* San Francisco Bay Area, CA, USA  
• Developed a random forest regression model using scikit-learn and Keras, improving the accuracy of container ETA predictions.  
• Performed data analysis to provide historical and predictive insights on COVID-19 disruptions to global shipping and trade.  
• Communicated technical results and progress to stakeholders effectively, along with actionable data-driven insights in a report.

## Projects

**Font Rendering Engine**, *Rust, C++* [↗](#)  
Built a multi-font rendering engine in Rust with my computer graphics team, generating glyphs from ttf files and employing ray intersections. Implemented the supersampling feature by sampling from  $N^2$  evenly-spaced points within the pixel.

**War Literature Timeline**, *Next.js* [↗](#)  
Created an interactive timeline tool using vis.js and Next.js for war literature and historical events to support students in the "Imagining War" course at Cambridge. Features include related event highlighting, search, and filters for information accessibility.

## Skills

### Technical

Python, Java, C++, JavaScript, Golang, R, React.js, Next.js, Scala, Node.js, Unix, SQL, PostgreSQL, AWS, Jira, Git, Docker.

### Analytical & Design

Statistical Analysis, Data Analysis, Predictive Modeling, Experiment Design, Adobe Creative Suite, Figma.

## Languages

**English**  
Native

**Tagalog**  
Native

**Ilocano**  
Native

**Spanish**  
B2