

# Oscar Cisneros

Fullstack Software Engineer

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🌐 [developer portfolio](#) [in/oscar-c-713b27251](#) [github.com/oscisn93](#)

## Technical Skills

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- **Languages:** JavaScript, TypeScript, Python, SQL, Go, Bash, C++, C, PHP, Java, Kotlin, Rust
- **Web Technologies:** Node.js, Express, React, Next.js, SvelteKit, Astro
- **DBMS:** MySQL, PostgreSQL, SQLite, MongoDB, DynamoDB, Redis

## Areas of Interest

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Web Backend Engineering - Web Frontend Engineering - DevOps - Machine Learning & AI - Data Analysis & Visualization

## Professional Experience

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**University of Southern California** ([Undergraduate Researcher](#)) **Los Angeles, CA** 05/2023 - 8/2023

- Utilized Python, Bash scripts, and Jupyter notebooks in order to analyze multiple large metagenomic datasets on the basis of name and compared with analysis based on sequence alignment and presented findings to a nontechnical audience
- Performed big data analysis on a high performance computing cluster node. Utilizing the SLURM job scheduling tool in order to efficiently run computing jobs in a collaborative research environment

**Software Development Researcher,** ([Amazon Collaborative Fellowship](#)) **Fullerton, CA** 01/2023 - 05/2023

- Employed socially responsible design principles to the software development process resulting in an inclusive software application that addresses a social justice need and integrates feedback from interviews with potential stakeholders
- Implemented authentication for a progressive web app that uses next.js and clerk.js. Developed a geolocation API for the finding healthcare providers that were used by the frontend in tandem with the MapboxGLS.js library
- Co-developed and presented a pitch that successfully articulated the application's social impact and technical innovation, securing 2nd place in the CSUF Engineering & Social Justice competition and demonstrating effective stakeholder communication

**Web Development Academic Support Apprentice,** ([The Last Mile](#)) **Remote** 01/2022 - 10/2022

- Enhanced academic outcomes by providing highly available, timely, and effective support to students in multiple asynchronous web development courses with varying degrees of difficulty and areas of focus
- Facilitated the design, development, and debugging of student projects through detailed code reviews and responsive help desk support, enabling students to refine their projects effectively
- Designed and developed a JavaScript training project focused on ES6 modules and Regex input validation, which was integrated into the curriculum at the conclusion of my apprenticeship to support ongoing student practice
- Automated routine tasks and enhanced project run/debug processes through custom Python and Bash scripts

## Professional Development

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**Association for Computing Machinery** ([Chapter at CSUF](#)) **Fullerton, CA** 2022-2024

Development Team Project Manager, Open Source Software Team Officer, Development Team Officer

**Fullyhacks** ([Annual Hackathon at CSUF](#)) **Fullerton, CA** 2023-2024

Organizer, Operations Officer, Workshop Lead

**ECS Diversity & Leadership Summit** ([Annual Summit at CSUF](#)) **Fullerton, CA** 2023-2024

Active Participant

## Education

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**B.S. Computer Science** ([California State University, Fullerton](#)) **Fullerton, CA** 2020-2024

**Relevant Courses:** Algorithms & Data Structures, Web Frontend Engineering, Web Backend Engineering

**A.S. Mathematics & Science** ([Riverside City College](#)) **Riverside, CA** 2018-2020