

# Carlos Valdez

## Full-Stack Developer

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### Education

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#### University of California, Irvine

September 2021 - June 2025

Bachelors of Science, Informatics

Specialization in Human-Computer Interaction

- **Relevant experience:** Project in Human-Computer Interaction, Project in User-Interaction Software, Requirements Analysis & Engineering, Project Management, Social Analysis of Computing

### Experience

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#### Ojos Project, Irvine, CA

October 2023 - October 2025

Lead Developer/Undergraduate Research Opportunities Program (UROP) Fellow

- Led development efforts with a team of 7 students to build Iris, a care management desktop app
- Taught and mentored team members on collaborative Git workflow, Scrum, and desktop app development
- Conducted user testing interviews to identify UX improvements, enhancing usability
- Decreased app bundle size by ~90% by choosing a Rust/Next.js hybrid architecture instead of Electron
- Earned three UROP fellowships, securing funding for continued research and development

#### GetMentored, Irvine, CA

January 2025 - June 2025

Frontend Developer

- Led version control practices by standardizing Git workflows and coordinating merges into production
- Worked with Docker to load up multiple development services at once
- Collaborated in cross-functional teams to discuss and deploy team features
- Integrated Zoom's RESTful API to authenticate and retrieve Zoom meetings
- Improved user interfaces (UI) by implementing new designs in Vue.js

#### You Are Typing, Irvine, CA

October 2023 - July 2025

Desktop Application Developer

- Built a self-chat app using Rust, Vite, TypeScript, and a local SQL database
- Reduced load time by loading 50 messages at once to speed up the app's performance
- Developed the software architecture of the program, using Rust for database calls
- Automated the production release using CI/CD tools like GitHub Actions and basic shell scripting

### Skills

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**Programming Languages:** Python, Java, JavaScript, Typescript, Rust, SQL

**Frameworks & Tools:** React, Next.js, Vite, Vue.js, Flask, Node.js, Express, Tauri, AI, AWS S3, RESTful APIs

**Other:** Scrum, CI/CD, UX Design, HCI Research

### Awards & Research

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- **Undergraduate Research Opportunities Program:** 2x Research Experience Fellow, 1x Summer Undergraduate Research Program
- **CITI Program:** UCI Human Research Protections Course