

# Carlos Valdez

Irvine CA 92697 | (760) 237-9360 | [cvaldezh@uci.edu](mailto:cvaldezh@uci.edu) | [LinkedIn](#)

## Education

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### University of California, Irvine

June 2025

B.S., Informatics

- **Relevant Coursework:** Human-Computer Interaction, Software Design I, Project in HCI, Requirements Analysis and Engineering

### Calexico High School

August 2017 - June 2021

High School Diploma

- **Relevant Coursework:** AP Computer Science A
- **Honors:** Principal's Honor Roll
- **Activities:** Organized Java training in Coding Club

## Activities

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### Ojos Project

October 2023 - Present

Project Lead & Software Developer

- **Awards:** UCI UROP Research Fellow
- Organized a two-quarter plan to develop a physical display
- Collected multiple research papers to summarize with word-processing tools
- Administered the software and day-to-day activities of the research project
- Delivered updates once a week to Professor Mark S. Baldwin

### Black Swan 3D Printing

April 2023 - January 2024

Software Developer

- Developed infrastructure to enhance the productivity of all employees
- Programmed the front of the blackswan3d.com website with NextJS
- Automated DevOps in GitHub for Black Swan employees to get work done faster and securely
- Collaborated with a website designer to develop the frontend
- Participated in weekly calls and emails to ensure the stability of the company

### Design@UCI

January 2022 - March 2022

Co-Designer

- Arranged an eight-week plan to stay on top of our work
- Evaluated students on their mental health and app preferences
- Collaborating with a team of 4 to design a mental health-oriented journaling app

## Skills

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**Language:** Proficient in Spanish

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

**Other Programming Skills:** React, NextJS, Vite, Flask, backend development, frontend development

**Operating Systems:** Windows, macOS, Linux

**Office Tools:** Microsoft (Word, PowerPoint, Excel), Google (Docs, Slides, Sheets)

**Typing:** 100 WPM