

# Diego Guzman

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## EDUCATION

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### University of California, Irvine

Bachelor of Science in Informatics

Irvine, CA | September 2021 - Expected June 2025

GPA: 3.3

## RESEARCH EXPERIENCE

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### University of California, Irvine

*Undergraduate Researcher*

Irvine, CA | June 2023 - Present

- Manually creating succinct themes and codes that capture important features of qualitative data by using the Reflective Thematic Analysis process
- Utilizing large language models such as ChatGPT as tools to help the process of finding context appropriate themes and codes from large amounts of user studies such as interviews
- Employing ChatGPT's API and Python to streamline the process of using large language models for qualitative analysis

## TEACHING AND MENTORING EXPERIENCE

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### University of California, Irvine

*Learning Assistant, Programming with Software Libraries (Accelerated)*

Irvine, CA | September 2023 - Present

- Teaching a wide variety of Python concepts to over 30+ undergraduate students who were mostly third year transfers and freshmen with prior programming experience
- Assisting undergraduate students with the debugging of their Python programs
- Helping undergraduate students transition from their prior programming experiences in languages such as Java and JavaScript to Python

*Learning Assistant, Programming with Software Libraries*

Irvine, CA | January 2023 - March 2023

- Taught a wide variety of Python concepts to over 30+ undergraduate students who were mostly freshmen and sophomores with little to no programming experience
- Assisted undergraduate students with the debugging of their Python programs
- Aided undergraduate students in learning how to use Git

## CONFERENCES AND SYMPOSIUMS

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"How Can ChatGPT Be Used As A Tool In Qualitative Analysis," UC Irvine Summer Undergraduate Research Fellowship Symposium, Irvine, CA, August 2023.

## PROJECT EXPERIENCE

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### Simulated Email System

Irvine, CA | March 2023

- Utilized Java Swing to create an interactive email system used to send and receive emails between users
- Computed the email system to allow users to add new recipients and switch in between users

### [Concept Hotel Website](#)

Los Angeles, CA | December 2022

- Utilized HTML and CSS to create the website's framework and styling
- Applied user interface heuristics onto the design aspect of the website in order to make it user-friendly

## PROFESSIONAL ORGANIZATIONS

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### Mecha de UC Irvine

Irvine, CA | September 2022 - Present

*General Member*

- Participating in cultural and community outreach events, fostering awareness and appreciation of Chicano culture
- Collaborating with fellow members to advocate for educational opportunities and support initiatives benefiting the Latinx student community at the University of California, Irvine

## **Hermanos Unidos**

*General Member*

Irvine, CA | September 2022 - Present

- Assisting people in communities of need through acts of community assistance such as house renovations and street cleanups
- Providing guidance to Latino students in their collegiate careers by showing them the academic resources that are available to them through the University of California, Irvine

## **AWARDS, GRANTS, AND DISTINCTIONS**

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University of California Leadership Excellence Through Advanced Degrees (\$4,000)	August 2023
2023 Information and Computer Sciences Diversity Conference Scholarship	August 2023
UC Irvine Chancellor's Excellence Scholarship	September 2021 - Present

## **PROGRAMMING AND MARKUP LANGUAGES**

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Python, JavaScript, Java, HTML, CSS, SQL, TypeScript

## **SOFTWARE IDES AND FRAMEWORKS**

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Git, Visual Studio Code, Eclipse, PyCharm