

# Michaela Castro

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## EDUCATION

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### LOS ANGELES PIERCE COLLEGE

Associates in Science and Art

Computer Science Major; Received Physics, Math, and General STEM associate degrees

Cumulative GPA: 4.0/4.0; Dean's List 2022-2024, Summa Cum Laude

Relevant Coursework: Object-oriented programming, Data Structures

Woodland Hills, CA

Jun 2022 - Jun 2024

### UNIVERSITY OF CALIFORNIA, IRVINE

Computer Science Major

Irvine, CA

Starting Sept 2024

## WORK EXPERIENCE

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### CENTER FOR ACADEMIC SUCCESS, PIERCE COLLEGE

Math Tutor

Woodland Hills, CA

Jun 2023 - Present

- Administered individual and group tutoring sessions for undergraduate students studying mathematical subjects such as Calculus, Differentials, and Linear Algebra
- Motivated and guided students through personalized exercises to reinforce and expand student comprehension of mathematical principles
- Attended training sessions to enhance knowledge of educational practices and communication skills

Computer Science Tutor

Jan 2024 - Present

- Assisted students in debugging and optimizing code to improve problem-solving abilities
- Conducted remote and in-person tutoring sessions for college students in object-oriented programming and data structures

## UNIVERSITY PROJECTS

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### UCLA DATA SCIENCE RESEARCH

Jul 2023 - May 2024

- Connected with professors, graduate students, and scholars from UCLA and around the nation to discuss mathematical principles. to research the efficiency of methods to solve large systems of linear equations
- Developed and implemented the variants of the Kaczmarz method in Python to evaluate its performance and convergence speed
- Designed simulations and generated graphs in Jupyter Notebook to interpret the results in a research paper

## ADDITIONAL

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**Technical Skills:** Proficient in C++, Python; Intermediate in Java, Javascript; Beginner in CSS/HTML, SQL

**Languages:** Fluent in English; Limited Working Tagalog