

Juan Rizo

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EDUCATION

Bachelor of Arts in Computer Science

May 2026

University of California, Berkeley

Associate of Arts Degree for Transfer in Mathematics

May 2024

College of Alameda

TECHNICAL SKILLS

Programming Languages: Python (advanced), Java (advanced), C, C++ (proficient), SQL, Go, Scheme (proficient), x86 Assembly (proficient)

Web Technologies: HTML5, CSS

Tools: IntelliJ, Microsoft Visual Studio, Git, PyCharm, Jupyter Notebook

Languages: Spanish and English

WORK EXPERIENCE

Math Tutor

January 2024 - May 2024

Merrit College Learning Center, Oakland, CA

- Delivered personalized tutoring to 10 students weekly across key mathematical areas such as calculus, algebra, and differential equations, tailoring sessions to address unique academic challenges.
- Developed custom curriculum and multimedia presentations that boosted student grades by an average of 10%, enhancing understanding of complex mathematical concepts through detailed video illustrations.
- Initiated and led study groups that promoted effective communication and peer-to-peer learning, resulting in notable improvements in student performance, particularly in advanced courses.
- Demonstrated strong time management skills by effectively coordinating and leading discussions on a wide range of topics for diverse groups within tight timeframes.

Computer Science Tutor

January 2024 - May 2024

Merrit College Learning Center, Oakland, CA

- Assisted 5 students weekly in enhancing their grades and understanding of computer science, addressing both coding practices and theoretical concepts.
- Crafted and deployed interactive algorithms and skeleton code projects in multiple programming languages, facilitating hands-on learning and deeper comprehension of code mechanics.
- Successfully clarified complex programming concepts in Python and other languages, making them easier and more understandable for students.
- Demonstrated exceptional time management skills by efficiently planning discussions on a wide range of topics for diverse groups within limited session times.

PROJECTS

Weight Loss Calculator (Team Leader)

- Developed a robust C++ application to calculate Body Mass Index (BMI) and create customized diet and exercise plans, utilizing Microsoft Visual Studio for development and debugging.
 - Integrated advanced user input features into the application, allowing users to customize their goals for weight loss or muscle gain, thereby enhancing user engagement and experience.
 - Led a team of two in applying methodologies to effectively manage and execute the project, resulting in an award for innovation in C++.
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