

Angel Arturo Ruiz

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EDUCATION

University of California Irvine

May 2026

B.S. Computer Science

Irvine, CA

- **Courses:** Files and Databases, Modern Web Development, Mobile Operating Systems, Computer Organization, Data Structures, Algorithms & Analysis, Foundations of Programming

TECHNICAL SKILLS

Languages : C++, Python, and Java

Tools: Git, Figma, Vscode

RELEVANT EXPERIENCE

N.A.S.A California Space Grant Consortium

May 2023 - Oct. 2023

MicroComputer & Robotics Intern

Edwards, CA

- Designed and programmed an **Autonomous** Lunar Rover using a Microcontroller
- Collaborated in a small team to prototype, test, and refine rover functionality in simulated space environments
- Developed **Custom** algorithms for rover localization, path planning, and decision making

Victor Valley Union Highschool District

Aug. 2021- May. 2022

A.V.I.D Tutor

Victorville, CA

- Monitored and documented over 200 students progress, providing regular feedback and performance updates, Communicated consistently with students and parents about academic goals and challenges.
- Created custom educational resources and practice materials for targeted learning improvements

PROJECTS

Multimodal A.I ChatBot | Personal Project

May 2025

- Built an AI assistant using Google Gemini API capable of real time voice and video interaction
- Integrated web search and weather APIs to enable the assistant to fetch live data and respond dynamically
- LiveKit for live audio/video communication, enabling dynamic conversations with visual input

Personal Website | Personal Project

Oct. 2024

- Designed and developed a personal website to showcase projects, resume, and contact information using HTML, CSS, and JavaScript
- Applied UI/UX best practices to enhance user experience and accessibility

Autonomous Rover | NASA Project

May 2023

- Designed and built an autonomous rover using Arduino and sensors including LiDAR, TOF, altimeter, accelerometer, and air quality modules
- Programmed rover behavior for obstacle avoidance, terrain detection, and environmental data collection
- Implemented real time data logging and telemetry systems for remote monitoring and debugging

LEADERSHIP EXPERIENCE

Victor Valley College

Aug. 2024- May. 2025

Mathematics Club President

Victorville, CA

- Led weekly sessions analyzing math puzzles and logic challenges to sharpen critical thinking and collaborative skills
- Coordinated guest talks with professionals in STEM fields, connecting members with industry insights