

# ALBERTO RUBALCAVA

U.S. Citizen

alberto6.rubalcava@gmail.com | Granada Hills, CA 91344

## OBJECTIVE

Junior computer science student, eager to apply technical skills and knowledge gained through experience, projects, and extracurriculars. Seeking an internship opportunity to positively contribute to a team while continuing to grow professionally.

## EDUCATION

**California State University, Northridge (CSUN)** GPA: 3.96/4.00  
B.S., Computer Science May 2026  
• Associations: American Society of Mechanical Engineers (ASME), Society of Hispanic Professional Engineers (SHPE)

## WORK EXPERIENCE

**California State University, Northridge, IT Web Development and Emerging Tech.** June 2024 – Present  
• Develop an AI focused course recommendation planner in **Python** utilizing 20 years of CSUN course data, enhancing student academic planning by recommending classes based on completed coursework and academic goals.  
• Work with other student assistants and professionals to ensure the model has a 95% accuracy benchmark before deploying the tool, ensuring reliability to students and advisors.  
• Updating and maintaining the CSUN mobile app which had an 800% increase in user engagement during the first day of the semester, allowing students to have a smoother transition to CSUN.

**California State University, Northridge, IT Admin Student Assistant** June 2023 – June 2024  
• Assisted and supported IT directors, staff, and faculty with daily tasks such as managing 150 IT student assistant’s payroll.  
• Gained exposure to the daily operations of numerous departments throughout the IT Department such as Information Security, Database, App Development, and Web Development.  
• Awarded the 2024 IT Outstanding Student Assistant Award by the VP of IT, Ranjit Philip.

## ACADEMIC EXPERIENCE

**ASME’s Student Design Competition, Mini Golf Robot** October 2023 – May 2024  
*Controls System Student Engineer*  
• Collaborated with a team of 15 to design a competition ready robot for the 2023-2024 ASME E-fest Student Design Competition.  
• Developed and tested electronic components for a robot capable of traversing a mini golf course with unique obstacles.  
• Responsible for wirelessly connecting the robot to an Arduino, coding movement sequences, and integrating sensors, while ensuring efficient functionality and performance.

**CSUN AI JAM 2024, CSUN Competition** March 2024 – April 2024  
• Achieved 3rd place in a university-wide AI competition with a partner, developing a personalized course planner for students that utilizes AI to optimize student schedules.  
• Designed and programmed a website prototype of our concept idea in **HTML** and **JavaScript** to demonstrate our solution to the panel of judges.  
• Responsible for researching AI for our application, implementing code, and ensuring proper error handling for complex course scheduling scenarios.

## LEADERSHIP EXPERIENCE

**Society of Hispanic Professional Engineers (SHPE) CSUN, Elected Board** May 2024 – Present  
*Board Position: Vice President '24- '25*  
• Delegate responsibilities from the President to the appropriate executive board member ensuring efficiency in the club.  
• Collaborate with the executive board to plan and organize professional development workshops and networking events, enhancing members career readiness.  
• Assisted in the strategic planning and execution for the SHPE National Conference securing 20 sponsorships for CSUN students allowing more student engagement for the upcoming conference.

## COMPLETED COURSES

Advanced Data Structures and Algorithms	Automata, Languages, and Computation
Calculus II	Object Orientated Programming

## SKILLS

• Languages: English and Spanish  
• Proficient: Java | Previous Experience: JavaScript, C

## INTERESTS

| Programming and Development | | Web Engineering/Design | Embedded Systems