

Jesus Cazares

Irvine, CA 92618 • (949) 527-5382 • jesusmcazares12@gmail.com • [Github](#) • [LinkedIn](#) • [Portfolio](#)

EDUCATION

California State University, Fullerton

Fullerton, CA

B.S. in Computer Science

May 2026

Relevant Coursework: Data structures, Algorithm Engineering, Operating Systems, Software Architecture, Software Testing, File Structure and Databases

PROFESSIONAL EXPERIENCE

Robotics Software Engineer Intern

Fullerton, CA

Month2Month

Jan 2026 - May 2026

- Engineered a real-time predictive control system using Radial Basis Function Interpolation to map 2D pixel coordinates directly to joint angles
- Implemented a demonstration-based learning workflow by training the RBF model on 50 manual physical examples to learn spatial mappings directly from the environment
- Developed a high-speed Python manipulation loop that predicts and executes grasp sequences, synchronizing a RealSense D435i depth stream with the D1 Arm via DDS

Information Technology Specialist

Santa Ana, CA

Orange Coast Testing, Inc.

Jan 2022 - Oct 2024

- Operated X-ray and gamma-ray imaging equipment to perform radiographic inspections of aerospace components to detect internal defects
- Resolved 95% of tickets independently, providing same-day solutions and minimizing employee downtime
- Organized shared drives, implemented standardized folder structures, and performed weekly backups

PROJECTS

Fullerton Funhouse | [Live](#)

April 2025

- Architected a full-stack web platform featuring 6 interactive titles, utilizing Python (Flask) and JavaScript to manage game states and dynamic frontend interactivity
- Implemented a unified UI/UX framework with responsive CSS and HTML5, ensuring 100% platform parity across desktop browsers
- Optimized asset loading and site navigation by building a centralized interface, reducing page load latency

Rise and Grind | [GitHub](#)

Nov 2025

- Developed a React-based task management application with calendar views supporting task creation, editing, completion, and deletion
- Integrated an external weather API to fetch and display real-time weather data based on user location
- Implemented state management and responsive design to ensure smooth user interactions on desktop and mobile devices

Odoo Software Testing | [GitHub](#)

Dec 2025

- Engineered a multi-tiered automated testing suite for Odoo ERP, leveraging Python's unit testing framework to validate core backend logic
- Developed end-to-end UI test scripts using Selenium WebDriver, simulating complex user workflows to ensure front-end stability
- Architected a keyword-driven testing framework via Robot Framework, increasing test script readability

TECHNICAL SKILLS

Programming Languages: Python, C++, SQL, JavaScript, HTML/CSS

Frameworks: ROS2, React, Flask, Node.js, PyTorch