

Juan Rodriguez

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EDUCATION

California State University

- Bachelor of Science, Computer Science

Northridge, CA

01/2024 – 05/2026

Rio Hondo Community College

- Associates of Science, Computer Information System and Mathematics

Whittier, CA

06/2021 – 05/2023

TECHNICAL SKILLS

- Programming Languages:** Python, C/C++. C#. Java, SQL, HTML, CSS, JavaScript (ES6)
- Programming Tools:** Version Control (GIT, GitHub), Docker, Kubernetes
- Libraries/Frameworks:** Bootstrap, React, Webflow

PROFESSIONAL EXPERIENCE

Naval Facilities Engineering/Expeditionary Warfare Center (NAVFC/EXWC)

Port Hueneme, CA

Computer Science Research Assistant

10/2024 - Present

- Built and deployed a Docker-based microservices architecture to simulate PLCs and sensor networks, enabling system-level testing.
- Deployed all services into a Kubernetes cluster using k3s, with YAML defined health checks, service discovery, and automated restarts across virtualized infrastructure.
- Automated image builds and deployment via CI/CD, and validated device interactions across virtual networks and physical control software.
- Used Python to script control logic and integrate anomaly detection models that enhance real-time monitoring and fault simulation capabilities.
- Implemented CI/CD pipelines to automate image building, testing, and deployment, improving development cycle time and system maintainability.

Association for Computing Machinery, CSUN Chapter

California State University, Northridge

Front-End Web Developer

07/2024 - Present

- Developed a mobile-first website with Bootstrap, HTML, and JavaScript to streamline event promotion and chapter engagement.
- Integrated real-time banners and Google Analytics to increase user sign-ups and optimize layout through usage trends.
- Supported a growing community of 150+ active members by showcasing events, workshops, and resources through clear site structure and frequent updates.

Life Aid Research Institute

Los Angeles, CA

Technical Advisor

09/2024 – Present

- Guided app architecture with emphasis on Firebase, push notifications, and privacy-conscious onboarding for veterans and first responders.
- Advised on secure authentication and analytics integration to support user engagement metrics and compliance considerations.

Accenture, LLC

Los Angeles, CA

Business Analyst Intern – Quality Assurance

06/2023 – 08/2023

- Assisted in QA testing on Cisco's purchasing website using SQL scripts, contributing to the detection and resolution of bugs, which helped maintain a seamless user experience for 10,000+ monthly visitors.
- Facilitated strategic meetings with Cisco stakeholders, where I collaborated with Accenture teams to enhance project outcomes, gaining valuable experience in cross-functional teamwork and project management.

StelEsthetics

Los Angeles, CA

Front-End Web Developer

02/2022 – Present

- Designed and launched a fully responsive Webflow site for a skincare esthetician, focusing on user-friendly navigation and mobile-first layout best practices.
- Integrated Google Analytics to track user behavior, monitor bounce rates, and identify high-conversion pathways for appointment scheduling.
- Published regular announcements, service updates, and testimonials to inform and engage clients and enhance credibility.

United States Navy

Corpus Christi, TX

Hospital Corpsman

05/2008 – 08/2011

- Provided critical support in disease prevention and treatment, emergency medical response in combat environments, and assisted healthcare professionals in delivering medical care to Armed Forces personnel.