

# Ricardo Godinez

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## OBJECTIVE

Hands-on and articulate Computer Engineering graduate (May 2025) with experience in **hardware/software systems, network infrastructure, and automation**. Skilled at **simplifying complex technical concepts, troubleshooting, and collaborating with multidisciplinary teams**. Eager to contribute to a technical role where I can leverage my engineering foundation and problem-solving skills to **design, test, and support reliable systems**.

## EDUCATION

**Bachelor of Science, Computer Engineering – May 2025**

**California State Polytechnic University-Pomona, Pomona, CA (GPA: 3.3)**

Relevant course work: Communication Systems, Control Systems, Computer Architecture, Digital Circuit Design, Operating Systems for Embedded Applications, Data Structures & Algorithms, Cybersecurity, Cryptographic Algorithms on Reconfigurable Hardware, Software Engineering

## TECHNICAL SKILLS

- **Networking & Systems:** Ethernet, TCP/IP, VLANs, Wireshark, Firewalls, VPN, Linux (Ubuntu/RHEL), Windows 10/11
- **Hardware & Testing:** Test Procedure Development, Schematics Interpretation, Circuit Debugging, Oscilloscope & Multimeter Use
- **Programming & Tools:** Python, C, Bash, PowerShell, Verilog HDL, MATLAB, Git, Docker, Kubernetes, Ansible
- **AI Tools & Certification:** GPT-5, Cursor, Claude, Microsoft Copilot; Aviatrix Certified Engineer – Multicloud Network Associate

## WORK EXPERIENCE

Computer Hardware Technician – Full Time

May 2025 – Present

AmazinXpress, Anaheim, CA

- Led GPU testing and validation for consumer and commercial-grade graphics cards, developing automated stress-testing and verification workflows in Windows and Linux environments.
- Designed and maintained standardized test procedures and reporting systems, tracking performance metrics, defects, and improving product reliability.
- Automated test rig maintenance and data collection, increasing throughput and consistency in validation cycles.
- Authored documentation for test setups, validation methods, and process improvements to support team training and scalability.

IT Client Services Support

Jan 2024 - May 2025

California State Polytechnic University-Pomona, Pomona, CA

- Delivered front-line IT support for 200+ end users, troubleshooting hardware, software, and network connectivity with a customer-first mindset.
- Imaged, configured, and deployed Windows/macOS devices via ODT and JAMF, ensuring compliance with security standards.
- Documented technical procedures and created user guides to improve support efficiency and self-service adoption.

Information Technology Specialist – Internship

Aug 2023 - Jan 2024

Adams Rite Aerospace, Fullerton, CA

- Diagnosed and repaired computer hardware, network, and OS-level issues for end users, validating repairs and documenting root causes.
- Monitored and analyzed SIEM alerts to ensure NIST 800-171 compliance for 150+ users.
- Automated Microsoft 365 user migrations with Bash scripts, improving deployment efficiency by 80%.
- Authored 120+ pages of technical documentation for Azure, CrowdStrike, and Mitel systems to support audits and staff training.

Lead Computer Repair Technician

Jan 2021 - Dec 2022

Asurion, Anaheim, CA

- Performed diagnostics, component-level repairs, and system testing on laptops, tablets, and mobile devices to manufacturer standards.
- Verified hardware and software functionality post-repair using proprietary testing and benchmarking tools.
- Trained new technicians on ESD safety, test procedures, and quality assurance to maintain high repair success rates.

## ACADEMIC PROJECTS

AI/Ops-Driven K8s Automation – *Ansible, Prometheus, Grafana, Bash* (<https://github.com/r-godinez/K8s-Ansible-DevSecOps-Lab>)

- Built an automated test environment to simulate failure and recovery scenarios in Kubernetes clusters, achieving 9-second average remediation.
- Documented test metrics, configurations, and results for reproducibility and reporting.

RSA-AES Secure Video Transmission System – *Python, RaspberryPi, WIFI* (<https://github.com/r-godinez/RSA-AES-Video-Stream>)

- Developed and validated hybrid RSA/AES encryption for secure real-time video transmission; verified encryption accuracy and frame integrity.

Packet Sniffing & IP Spoofing Lab – *Python, VMware, Wireshark* (<https://github.com/r-godinez/Packet-Sniffing-and-IP-Spoofing-Lab>)

- Implemented packet interception and spoofing in a virtual VLAN to simulate and defend against network attacks.

## ORGANIZATION

Society of Hispanic Professional Engineers, Maximizing Engineering Potential, Kellogg Honors College