

Manuel Ruiz Diaz

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Professional Summary

Software V&V Engineer at Honeywell Aerospace, actively seeking to expand my skillset. Identifying and quickly closing any knowledge gaps to offer value to my team. Reliable and punctual, successfully handles fast-paced work. Proven Willingness to take on any task to support team and help business succeed. Interested in professional growth, expanding knowledge in software development, and joining a high-values, team-oriented culture.

Skills

- | | | |
|-------------------------------|--------------------|------------------------------------------|
| • Object Oriented Programming | • Problem Solving | • Verbal and Written Communication |
| • Python | • C++ | • Agile Software Development Methodology |
| • Time Management | • Customer service | • Software Development Lifecycle |

Work Experience

Software Engineer II

Honeywell Aerospace - Aguadilla, PR

October 2022 to Present

Supervisor: Jorge Rosado · jorge.rosado-pinilla2@honeywell.com

Currently serving as a member of the Verification and Validation team, where I have:

- Performed Software Coverage Analysis to ensure requirements-based, structural, and decision coverage in accordance with DO-178C.
- Improved testing efficiency by integrating new methods into test software.
- Created an Excel script for automated error code identification, enhancing testing speed by eliminating manual decoding.
- Developed Software Test Description documents for Final Qualification Testing, streamlining processes and boosting overall testing efficiency and reliability.
- Developed and implemented multiple automation tools, resulting in streamlined workflows and reduced processing time.

U.S. Nuclear Regulatory Commission Summer Internship

Office of Nuclear Regulatory Research - Rockville, MD

May 2022 to August 2022

Supervisor: Christopher Cook · christoper.cook@nrc.gov

- Led the Knowledge Management and Knowledge Transfer initiative, expanding the Nuclepedia platform to enable independent learning and faster access to 'just-in-time' training modules, thereby accelerating user qualification.
- Interfaced and collaborated with agency subject-matter experts (SMEs) to develop content for Digital I&C and Cybersecurity.
- Conducted focus groups with key individuals within multiple organizations to generate questions for SME interviews.
- Interviewed SMEs to extract tacit knowledge and compile technical information.
- Compiled information to develop more than 25 pages of content for over 60 topics.
- Published content in various forms including text-based, video-based, diagrams and animations, and external reference sources to improve knowledge consumption and retention.

Military Experience

Signal Support Specialist (25U) – Signal NCO

US Army Reserve - Fort Buchanan, PR

January 2019 to Present

Supervisor: SFC Alcala

- Train subordinates, peers and senior leaders on Very High Frequency communications equipment.
- Execute bi-monthly audits of Sensitive Items (SI) inventory, ensuring strict adherence to regulatory standards and maintaining 100% accuracy in tracking and documentation.

Signal Support Specialist (25U) – Communications Specialist and IT Support

US Army Active Duty - Wheeler Army Airfield, HI

January 2015 to January 2019

Supervisor: MAJ Andre Watkins-Clark · andre.j.watkinsclark.mil@army.mil

- Managed, tracked, and updated user accounts in MS Active Directory to ensure battalion readiness.
- Appointed Battalion Telephone Control Officer.
- Troubleshoot malfunctions in communications equipment such as FBCB2, SINCGARS, RT-1796.
- Helped team handle high-volume work by prioritizing tasks and organizing supplies.

Security Clearance

- Secret

Awards and Recognition

- Army Achievement Medal (AAM)
- Army Good Conduct Medal (AGCM)
- Army Reserve Component Achievement Medal (ARCAM)
- Certificate of Achievement (Received 4 times)

Education/Training

B.S. in Computer Science

Inter American University of Puerto Rico - Aguadilla, PR

August 2022

Basic Leader Course 600-C44 (169 hrs.)

Fort Dix, NJ

November 2021

Signal Support Systems Specialist 101-25U10 (661 hrs.)

United States Army Cyber Center of Excellence

July 2015