Frank Palmisano

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Validation Engineer & QA Specialist

Validation Engineer with 6 years of aerospace test equipment validation at Honeywell supporting NASA ISS and Orion programs. Expertise in Python automation, Linux system administration, and systematic test execution. Developed validation tools improving efficiency by 40% while maintaining 99%+ system uptime. Shipped production iOS application as sole developer. B.S. Computer Science, Arizona State University (3.60 GPA).

Technical Skills

Languages:	Python, Swift, Objective-C, Bash, C, C++
Testing & QA:	pytest, Unit Testing, Test Automation, System Validation, Checksum Verification, Test Case Execution, Bug Documentation, Root Cause Analysis, Embedded System Testing, Regression Testing
Tools:	Linux/Unix, VMware, VirtualBox, Git, JIRA, LabVIEW, Simics, PMTE, SSH/Terminal
Methodologies:	Agile, TDD, System Validation, QA, Infrastructure Administration, System Documentation

Professional Experience

Honeywell Aerospace Phoenix, Arizona
Software Engineer (Test Equipment Support) *May 2018 – June 2024*

- Developed Python checksum verification system ensuring file integrity across NASA ISS and Orion test environments, improving validation efficiency by 40%
- Executed validation test procedures for Programmable Modular Test Equipment (PMTE)
- Administered Linux-based test systems with 99%+ uptime for mission-critical validation
- Performed system virtualization and backups using VMware
- Supported LabVIEW testing frameworks for Control Moment Gyroscope and Simics embedded systems
- Documented and tracked system issues, performed root cause analysis

Life Jewel Technologies Phoenix, Arizona
Founder & iOS Developer *January 2017 – May 2018*

- **Sole engineer:** Developed and shipped production iOS application to App Store using Swift and Objective-C
- Implemented Bluetooth Low Energy (BLE) iBeacon technology for location-based features

Performance Software Scottsdale, Arizona
Software Engineering Intern *June 2016 – October 2016*

- Developed Python test automation scripts reducing manual testing time by 38%
- Created unit tests improving code coverage and reducing production failures by 25%

Apple Inc. Tempe, Arizona
Advisor *June 2014 – December 2014*

- Resolved 110+ technical support cases daily, receiving multiple awards for service excellence

Projects

File Integrity Validation Tool *Python, C/C++, Linux*
Honeywell Aerospace

- Automated checksum verification detecting 100% of configuration discrepancies, improving QA efficiency by 40%

iOS Language Learning Application *Swift, Objective-C, BLE*
Life Jewel Technologies

- Shipped production iOS app to App Store as sole developer

Education

Arizona State University Tempe, Arizona
Bachelor of Science in Computer Science *May 2018*

GPA: 3.60 | National Society of Collegiate Scholars | Fulton Engineering Leadership: First Place Entrepreneurship