

## ELECTRICAL TEST OPERATIONS ENGINEER

### Professional Experience

Amazon.Com, Inc. September 2001 to Current Electrical Test Operations Engineer  
Moreno Valley , CA

- Salary: 100,161.00 USD Per Year.
- Hours per week: 40.
- Series: 0850 Pay Plan: GS Grade: 13.

Aurora Flight Sciences January 2000 to August 2001 Electrical Test Engineer Test Engineer  
Manassas , VA

- Use knowledge of engineering principles and practices to provide support to all development, maintenance, and test operation activities for the projects and test article models assigned for testing and verification at the rocket propulsion test complex.
- Participate in office team meetings and activities that promote capabilities versus needs, and increase innovation.
- These activities include but are not limited to: Assure that test activities yield desired results and provide high quality data to customers.
- Participate on teams to identify and coordinate infrastructure requirements, configuration and installation methods, and testing processes for systems.
- Help to develop methods for continuous improvement to work flow and net responsiveness at the test complex.
- This includes examining procedures and processes to include those that have high pay back to operational efficiencies and allow timely support of the NASA mission.
- Provide coordination across the integrated NASA contractor workforce to ensure adequate test support is performed.
- s Job Duties Participate in test setup support activities.
- Support the Electrical Lead in the planning and development of budget and business requirements to meet new propulsion project goals or changes required on the test stand.
- Provide guidance, technical advice and serve as a key source of information on the setup, activation, operations and test of the technical systems, subsystems, and components as applicable to propulsion testing to NASA and contractor support.
- Work with other engineers in Operations, the Design and Analysis Division, Systems Engineering Division, other Stennis Space Center Directorates as well as with support contractors to assure all required work to support test, checkout, and readiness of the facility is planned and executed.
- Provide solutions, guidance and technical advice to the test team members and the support contractors in the resolution and correction of identified anomalies and create and close corrective action paperwork through completion using current Stennis Operational Instructions (SOIs) and the Design & Documentation Management System (DDMS) database.
- Maintain a positive customer interface and attitude with the project office and their customers and be a good steward of project and facilities budget Communicate test area related risks and provide supporting documentation to the directorate risk coordinator as required.
- Provide inputs for funding calls for Facility improvements and modernization projects Qualifications Experience Six years as a test operations engineer equivalent to the next lower grade (GS-12) and seven years' experience as a GS-13.
- Worked on various test programs during my tenure at NASA SSC.
- Worked at E2 Test facility as the lead 'Low Speed Data Acquisition System Engineer'.
- Duties included verifying instrumentation was calibrated and ready for test, database entry work, running the recording system during test, developing charts for test readiness review presentations, troubleshooting instruments, attending post test data reviews, creating and modifying Detailed Operation Procedures (DOPs) and drawings, creating Discrepancy Reports (DRs) in the DDMS system when problems are encountered, and working directly with contractor support.
- Served as the E-Complex Information Technology Security Lead for eight years at the test facility.
- Duties included serving as the System Administrator, writing, evaluating, and maintaining IT Security plans for two networks, upgrading computers and managing software applications, running risk assessments and contingency procedures at least annually, and verifying the systems meet IT standard in accordance with NASA rules and regulations.
- Served as the lead post-test data processing engineer for E-Complex.
- This entailed using x-windows to remote login to a LINUX server in order to run scripts on test data and obtain in a wide range of sampling rates, with multiple input files.
- In addition to generating Engineering Units (EU) data, the Low Speed Data Processing system can perform calculated values or parameters at different levels in order to provide the customer with the final product.
- Worked at the A-Complex as a backup to the lead High-Speed Data Acquisition Engineer (HSDAS) for test stands A1 and A2.
- Duties included updating road map database with instrumentation coefficients, working with technicians to troubleshoot measurements, attending weekly meetings, and participating in weekly data reviews.
- Supervisor: Joseph W.
- Lacher (228-688-1066) Okay to contact this Supervisor: Contact me first Salary: 55,000.00 USD Per Year Hours per week: 50.

### CDVS System Controls Engineer

- As a Controls Engineer for the Air Force's RS-68 engine development and certification testing, my duties included setting up and running the control system for each test, maintaining the instrument database, setting up and running the engine control unit (ECU) software for each test, and troubleshooting instrumentation.
- Supervisor: Ken Cook (228-688-2298).
- Okay to contact this Supervisor: Yes.

SkyTel Corporation February 1996 to August 1999 Software Test Engineer  
City , STATE

- Salary: 50,000.00 USD Per Year.
- Hours per week: 40 As a Software Test Engineer, my responsibilities included testing various subsystem software upgrades for the two-way paging system, analyzing and modifying C and C++ code when deemed necessary, utilizing the UNIX system and writing test scripts in UNIX and C programming language.
- I also produced and maintained test procedures for all subsystems tested.
- Supervisor: Orlando Borst ((601) 944-1300).
- Okay to contact this Supervisor: Contact me first.

#### Education and Training

Colorado Technical University 08/2011 Master's Degree : Systems Engineering City , State , United States GPA: GPA: 3.8 GPA: 3.8 Credits Earned: 90 Quarter hours Systems Engineering

Mississippi State University 05/1995 Bachelor's Degree : Electrical Engineering Power Systems City , State , United States GPA: GPA: 3.4 GPA: 4.00 GPA: 3.4 GPA: 4.00 Credits Earned: 200 Semester hours Electrical Engineering Power Systems

Pearl River Community College 05/1988 Associate's Degree : Electronics Technology City , State , United States GPA: GPA: 3.5 GPA: 3.5 Credits Earned: 65 Semester hours Electronics Technology

#### Personal Information

Job Type: Permanent Work Schedule: Full-Time Desired locations: United States

#### Additional Information

- Availability: Job Type: Permanent Work Schedule: Full-Time Desired locations: United States

#### Skills

Air Force, backup, budget, C, C++, charts, continuous improvement, Data Acquisition, Data Processing, database, Documentation, Engineer, Information Technology, innovation, LINUX, managing, meetings, office, networks, next, presentations, processes, programming, quality, recording, scripts, Supervisor, System Administrator, Systems Engineering, troubleshoot, troubleshooting, UNIX system, UNIX and C, upgrades, upgrading, x-windows