Kristen Shelly McLallen

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**OBJECTIVE:**

**SKILLS AND QUALIFICATIONS:**

* Eight years of experience integrating and testing hardware and software systems, Two years testing Dolby Audio technologies.
* Experience with Windows, Unix/Linux and Android
* Languages: Java, C++, C, Visual Basic
* Test automation using C, Python, Batch and Unix scripting

**EXPERIENCE:**

October 2012-October 2014

**Implementation Test Technician, Dolby Laboratories Inc., San Francisco, CA**

* Tested Dolby Digital Plus, Dolby Digital, DS1 for Windows and Android, Dolby Volume, Dolby Virtual Speaker, TrueHD, PLII, Atmos.
* Tested both hardware and software based implementations.
* Utilized AP 2722, DP580, and DP564 for manual and listening tests.
* Automated testing using various scripting tools and a Labview based in-house application.
* Documented specific implementation test set-up tips and troubleshooting techniques extensively using Confluence
* Reported test-kit issues and concerns to JIRA. Also used JIRA as a reference during troubleshooting

August 2007-August 2008

**QA Test Technician, Hewlett-Packard (Contract), Cupertino, CA**

* Assembled computer hardware per test system configuration requirements
* Accurately documented system configuration including hardware and drivers, BIOS settings, operating system, and software installation
* Performed functionality, compatibility and localization testing on components and systems
* Submitted detailed descriptions and all information pertinent to further investigation of errors to the issue management software tool
* Wrote reports to summarize testing results for several HP and third party vendor products
* Utilized strategic methods to troubleshoot and debug issues to find possible root-cause of, and solutions to issues
* Performed regression testing on software and driver updates, and latest revisions
* Responsible for beta-testing Win7 and from short list of expected features created ad hoc testing scenarios to reveal discrepancies and to check usability

July 2007-February 2007

**Electronics Engineer, Lockheed Martin Space Systems Co., Sunnyvale, CA**

* Developed and updated legacy requirements and specification documents to meet modern satellite command and data handling subsystems needs
* Collaborated with engineers from other security clearance levels to exchange and validate black box level requirements for successful integration
* Designed and executed test procedures for qualification, certification, and flight standard hardware including exhaustive automation testing code
* Modified and updated highly specialized test harness systems using VMI/VXI bus compatible development boards and chassis
* Lead test technicians in implementing functional testing in thermal, vacuum and vibration soak testing
* Tracked and summarized discrepancy and anomaly reports using in-house tracking tools
* Analyzed and compiled large amounts of test output data using the Visual Basic capability within Excel and isolating relevant code using Unix regular expressions
* Organized feasibility study for attitude, command and control systems on GPS III Program

January 2002-May 2002

**Laboratory Technician, Dept. of Electrical and Computer Engineering, University of Colorado at Boulder, CO**

* Redesigned a processor board to replace an obsolete off-the-shelf board used by first semester assembly language students
* Implemented control logic with a finite state machine design using a Xilinx FPGA

**SPECIAL PROJECTS:**

* Designed and simulated a Direct-Mapped Write-Through Cache using a transistor CAD program
* Simulated a parallel microprocessor using MIPS instruction set
* Designed and implemented a learn-able IR remote control prototype using the Motorola M68HC11 microcontroller

**EDUCATION:**

Spring 2002

* University of Colorado at Boulder, **BS Electrical and Computer Engineering**

Spring 2011

* San Jose City College (Updated Java and Visual Basic skills)