Michael Gerard

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Objective

Software Quality Assurance and Tool Development.

Experience

**Apple Computer Software Quality Engineer, Cupertino, CA. — 1999-2012**

I was responsible for qualification and regression testing of Apple internal and third party mass storage drivers for consumer Desktop and Portable computers. I was praised for adapting quickly to rapidly changing technologies and using automation to complete rapidly expanding workloads. Responsibilities included lab setup and maintenance, remote automated installation, Test Design, Test Planning, Tool Authoring, debugging and failure analysis.

* QA Lead Thunderbolt HSIO.
* QA Lead SATA Port Multiplier.
* QA Lead AppleTV Mass Storage and User Experience.
* Authored SATA, Thunderbolt, USB, FireWire and Optical Test Plans
* Designed a test result mySQL database with API’s for Objective-C and Python
* Converted all API’s to use postgreSQL when required.
* Qualified third party CD/DVD burners for iTunes.
* Proficient with protocol analyzers such as the Finisar Xgig and Bus Doctor
* Authored/maintained the groups Obj-C IOKit Mass Storage discovery probe

**A/V Engineer/Production Manager, Unusual Productions. 43 Dore, San Francisco, CA. 94015 — 2012 -Present**

I am responsible for video, light and sound for a number of local theater productions as well as occasional composition and DJ work. Additionally, I develop custom video processing software using Max/MSP and Quartz Composer for shows as required. Entertainment references available on request. These are the web sites for our current lineup:

[http://darkkabaret.com](http://darkkabaret.com/)

[http://ihatechildren.com](http://ihatechildren.com/)

[http://twistedcabaret.com](http://twistedcabaret.com/)

[http://absintheparty.com](http://absintheparty.com/)

Education

DeAnza College 2005-2006 Operating Systems Concepts, C, Advanced C, C++

Skills

Platforms: Unix, Linux, Mac OSX, iOS, Windows XP/7.

Programming: C, Objective-C, C++, Java, XCode, Eclipse, Git, Subversion.

Scripting: bash, Python, Ruby, perl, uTest, RAFT, Applescript.

Technologies: PCIe, SCSI, IDE, USB, IEEE 1394A, IEEE 1394B, ATA, ATAPI, SATA Quality Assurance: White/Black Box Testing, Regression Testing, Test Automation, Automated Reporting and Metrics, Test Plans, Test Case Design, Test Case Database Design and Interface.

Linked In:<http://www.linkedin.com/pub/michael-gerard/46/631/2a7>

References Available on Request.