

**Daniel Spring Oppecker**  
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**Summary:**

QA engineer seeking to use testing and programming skills in a competitive environment. Collaborating with others to effectively develop hardware, software, web and database applications using Linux and Windows platforms. Core strengths in:

- Hardware and Software Testing
- Object-Oriented Design and Programming
- Troubleshooting and Problem Solving
- Leadership, Collaboration, and Communication

**Work Experience:**

*Hardware Test Technician, IBM contractor through CTG, (July 2011-Present)*

- Testing IBM Flex System hardware/software:
  1. Blades: x220, x222, x240, x440
  2. Chassis management module
  3. I/O Modules, Mezz cards, fans, and power supplies
  4. Flex System Manager, xHMC
- Wrote python and bash scripts to automate tasks and tests. One script used pexpect to automate logging into IMM web interface a huge number of number of times to cause the event log to fill up and create "event log full" messages. Another script I wrote gathered information such as firmware, IP address, and machine type from multiple blades across multiple chassis at once quickly. This helped to easily monitor firmware levels to ensure they were where it should be.
- Complete manual and automated test plans on blade server hardware and software.
- Communicate with developers to debug and fix issues found during testing.
- Document defects found during testing to be reproduced and debugged by developers.
- Flash firmware to update and maintain blade servers, network cards, and switches for testing.
- Install and configure operating systems on blade servers. (Windows, Rhel, Sles, VMware)

*IT Intern, Design Master Associates (February 2011 – June 2011)*

- Covered for Josh Rudy (the main IT guy) while he was on vacation. Troubleshot day to day user problems, switched the weekly backup tapes, and allowed for peace of mind while Josh Rudy was out of the office.
- Updated 12 office computers by installing and configuring Windows 7 Professional.
- Designed and implemented an "IT Asset" MS SQL database for storing information about computers, printers, and other electronic devices owned by the company.
- Designed and implemented a web interface using PHP, XML, Javascript, and CSS to access the MS SQL database and easily add, remove, edit and view data.
- Contributed to the creation of a report using MS SQL stored procedures and Crystal Reports.
- Researched and recommended new and affordable software and hardware to use in office.

*Volunteer Web Administrator, Williamsburg Presbyterian Church (August 2010 – June 2011)*

- Constructed and sent out the weekly e-newsletter to the members on the mailing list.
- Updated the pages of the church website as new information was received.

*Lifeguard, Williamsburg Landing (November 2010 – June 2011)*

- Kept pool area safe. Ensured residents safety. Monitored and adjusted PH levels. Monitored and recorded residents use of the pool area.

*Longwood University Chess Team (Fall 2008- Spring 2010)*

- Inaugural President. Organized first intercollegiate chess tournament. Recruited new members.

*Lifeguard, Douglas Aquatics (May2006 - August 2009)*

- Kept pool area safe. Ensured patron safety. Monitored and adjusted PH levels. Monitored and recorded patrons entering the pool area.

*Lifeguard, Great Wolf Lodge (2006)*

- Monitored and ensured safety of patrons.

**Research and Software Development:**

*KDE Advanced Text Editor (Spring 2010)*

- Contributed patch for a printing bug related to the spell checker.
- Used C++, Qt4, and Subversion.

*Address Harvesting Research Project (Fall 2009)*

- Collaborated with Dr. Robert Marmorstein to investigate the ways in which spammers harvest addresses from web sites and compared various mechanisms for defeating address harvesting. The resulting data was incorporated into the ongoing research Dr. Marmorstein is conducting on the subject.
- Set up mail aliases on a Postfix server running on an Arch Linux installation. Distributed e-mail addresses to over 100 web sites. Increased knowledge about locations spammers use for harvesting.
- Wrote a Python script to camouflage addresses in various ways. The results validated the best ways to camouflage email to prevent spamming.

**Education:**

*Longwood University, Farmville, VA (May 2010)*

- Bachelor of Science in Computer Science, GPA: 3.1
- 3.45 GPA over last 4 semesters.

**Awards and Honors:**

*Longwood University Dean's List*

- Fall 2008 (GPA: 3.63)/Fall 2009 (GPA: 3.53)/Spring 2010(GPA: 3.59)

*Association for Computing Machinery International Collegiate Programming Competition*

- Member, Longwood University team 2008 and 2009.

**Technical Skills:**

Languages: Python, Bash, C, C++, Qt4  
Internet: HTML, Django, XML, Javascript, CSS  
Platforms: Many flavors of Linux, Windows 7  
Databases: MySQL, MSSQL, PostgreSQL  
Additional: Rational ClearQuest, OOP, SDLC, RDBMS, Lotus Notes, Crystal Reports