

Andrew Austin

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http://andrew-austin.com

Objective:

To acquire a position among a team of software engineers that will utilize my current skills and provide opportunity for professional development.

Skills:

C, Perl, Java, Linux, OS X, Apache (limited experience with Python, PHP, MySQL)

Experience:

Apache & WebSphere Scripting, Software Engineer, Summer '07 & May '08 – December '08 IBM

- Fixed bugs relating to Apache/IBM HTTP Server (IHS) modules using the C language.
- Developed unit tests using Java and jUnit to test Apache and IHS functionality on a wide range of platforms including Windows, AIX, Z/OS, HP-UX, and Linux.
- Wrote and debugged Perl scripts to automate IHS build tasks and provide further testing of various features.
- Debugged IHS and IBM SSL interoperability using tools such as TCPDump and Wireshark.
- Developed tool to parse Dr. Watson logs into concise report using regular expressions and finite state machines.
- Gained greater insight into the software development process in a Unix/Linux environment through the use of tools such as cvs, make, gdb, and gcc.

Server Inventory Management & Metrics, Software Engineer Intern, Summer '04, '05, & '06

Wachovia Corporation

- Ported existing Unix/Linux auditing software (Perl) to assist in the reporting and collection of data from OS X.
- Used Perl and regular expressions to extract information from command line utilities to assist in data collection.
- Developed KORN shell and batch scripts to assist in automated reporting and testing.
- Wrote documentation of internal processes, especially those relating to the internal server inventory application (such as a detailed manual for end users outlining the step-by-step use of the server inventory application).
- Utilized internal applications to generate reports for asset management and inventory control, including reports for various security remediation initiatives such as Sarbanes Oxley security compliance and internal penetration tests.

Resident Assistant, Fall '07 – Spring '08

North Carolina State University

- Handled conflict remediation and provided basic counseling for students
- Developed and lead programs to engage residents in their community (Drugs and Alcohol, Cultural Awareness, etc)

Education:

North Carolina State University, August 2006 - Present

Major: Computer Science **Minor:** Mathematics

Overall GPA: 3.64 Major GPA: 3.96

Dean's List – Fall 2006, Spring 2007, Fall 2007, Spring 2008, Fall 2008

University Scholar's Program

Expected Graduation Date: Fall 2009

Selected Coursework:

Software Engineering, C & Software Tools, Operating Systems, Data Structures, Computer Architecture

Undergraduate Research:

Evaluation of Open Source Healthcare Applications

Independence High School, August 2002 - June 2006

Class of 2006 Salutatorian

Accolades:

Eagle Scout, Boy Scouts of America
Charles W. Kelly/ISSA Scholarship (2008)
Charlotte Rotary Youth Merit Award (2006)
IT Charlotte/Charlotte Chamber Outstanding Student (2006)
WSOC-TV's North Carolina Scholar (2006)
Network+ Certification