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Alex Ray

Objective

To further myself as a computer scientist and programmer by participating in the architecture and development of interesting software projects and research.

Education

2008-2012 (expected) **Computer Science & Mathematics, NCSU, Raleigh, NC**, 3.974 Overall GPA.
CSC & MA Majors GPA: 4.0
Relevant Courses: Operating Systems, Data Structures, Computer Algebra (Graduate), Compilers (Graduate)

Computer Skills

Languages: Ruby, C, Python, Java
Software: Git, Subversion, Apache, MySQL, Capistrano, Mongrel, Monit, Chef, \LaTeX
Operating Systems: Linux (Primarily Debian-based distributions), OS X, Windows, Xen, VMWare ESXi
Development Styles: Experienced in both waterfall and agile development methodologies

Experience

2010–Current **Research Assistant, Dr. Jiang, NCSU, Raleigh, NC.**
○ Developed a framework to interpose advertisement's interaction with webpages.
○ Gave presentations on papers and research proposals to the Systems Security group.
2008–2010 **Jr. Developer/IT Intern, Futures, Inc., Durham, NC.**
○ Aided in the design, and provided the implementation and support of a large scale (10,000+ initial users), Xen-virtualized server environment housing a rich internet web application.
○ Gained software development experience via the completion of individual projects.
○ Aided in the transfer from rented hardware running Xen instances, to Engine Yard's Amazon EC2-based cloud computing service.
Summer 2007 **Network Cabling Apprentice, Trident Technology Solutions, Raleigh, NC.**
○ Built server racks, mounted cable trays, and ran network cables within newly built data centers.

Extra

- Volunteer for CarolinaCon, a regional technology conference from 2005 - 2007
- Dean's List every semester
- Active Member of the NCSU Linux User Group
- Contributor to open source projects - see <http://github.com/mdwrig2>