
North Carolina State University

Expected Graduation: Spring 2013
B.S. Computer Science (Minor: History)

Iowa State University

Attended Fall 2007 – Spring 2008
Studied Computer Engineering

Technical Experience

Cigital, Inc.

May 2011 – Present

Security Consultant (Intern)

- Assess vulnerability of software and information systems (penetration testing, source code analysis, automated scans).
- Provide secure software development recommendations for a variety of languages and technology platforms.

North Carolina State University

Jul. 2010 – Present

Network Technician, Web Application Developer

- Configure Cisco firewalls, routers, and switches (PIX-515, 2600, 2940, 3560, 3750, SGE300).
- Design and implement standards for cable management and equipment layout.
- Design and develop web applications and intuitive user interfaces (AJAX, CSS, jQuery, MySQL, PHP, XHTML).

Raleigh Little Theatre

Aug. 2009 – Present

Project Manager

- Design and implement technical enhancements (network management, software development, wireless networking).

HostedGroups Management System

Jun. 2006 – Present

Founder, Developer

- Develop a web application (AJAX, CSS, MySQL, PHP, XHTML) to manage service club activities and members.
- Continuously audit system performance, business logic, and security while adding new groups and users.

Independent Consultant

Jun. 2002 – Present

Designer, Developer, Editor, System Builder, Technician, Writer

- Design and develop websites, web applications, user interfaces, software, graphics, and print documents.
- Assemble and repair personal and server computer systems.
- Compose and edit academic and professional documents and presentations.

PoynerSpruill LLP

Jul. – Aug. 2010

Information Technology Technician & Consultant

- Deployed and configured Windows 7 workstations, Cisco 3560 series switches, Active Directory, and Jabber IM.
- Designed a Service Level Agreement to optimize business processes in a 250-seat, multi-site environment.

Cisco Systems, Inc.

Jan. 2009 – Apr. 2010

Technical Services Security Team Customer Support Engineer (Co-Op) (Jan. – Apr. 2010)

- Trained to use AAA technologies (ACS, ACS Express, CCA / NAC, NAC Profiler, RADIUS, TACACS).
- Worked directly with Cisco customers to resolve security problems in enterprise networks.
- Mentored new co-op students and Cisco Network Academy students.

Advanced Services Lab Technician (Co-Op) (May – Aug. 2009)

- Earned CCNA certification.
- Trained to use higher-end router and switch technologies (IOS-XE, IOS-XR, NX-OS, VDC, VRF).
- Deployed, tested, and configured Cisco enterprise network equipment (esp. datacenter models).
- Worked with Network Consulting Engineers to model and test future enterprise network deployments (5-50+ devices).
- Created and edited internal documentation, network topologies.
- Mentored new co-op students and high school interns.

Technical Services Lab Technician (Co-Op) (Jan. – Apr. 2009)

- Trained to use Cisco enterprise network technologies (CatOS, IOS, IOS-XR, NxOS, VSS, XOS).
- Deployed, tested, and configured Cisco enterprise routers and switches.
- Worked with Customer Support Engineers to model and troubleshoot enterprise networks (1-20 devices).
- Created and edited internal documentation.
- Mentored new co-op students.

SAS Institute, Inc.

May – Aug. 2008

Web Application Developer (Intern)

- Designed and developed data-driven web applications using Java, JSP, MySQL, and Wicket framework.
- Created a 25-page Wicket technical reference for SAS engineers.

Technical Experience (CONTINUED)

-
- Kingland Systems Corporation** Oct. 2007 – May 2008
Software Engineering Intern
 - Developed web applications and user interfaces (ASP.Net, C#, CSS, ExtJS, Flex, Java, JavaScript, JSP, MS-SQL, XHTML).
-
- Iowa State University** Sep. 2007 – May 2008
Web Application Developer
 - Developed and migrated web applications and user interfaces (ASP, CSS, MySQL, PHP, XHTML).
-

Leadership Experience

-
- DiscoverLit** Apr. 2011 – Present
Co-Founder, Chief Technical Officer
 - Lead the technical development of an e-publishing startup company (CSS, HTML5, MySQL, PHP).
-
- NCSU Information Assurance Student Group** Apr. 2011 – Present
Co-Founder
 - Promote information assurance awareness and education through talks and activities.
-
- NCSU Information Technology Student Advisory Group** Sep. 2010 – Present
 - Discuss emerging technologies and their impact on the campus with university leaders and staff.
-
- North Carolina Association for Scholastic Activities** Mar. 2010 – Present
Board of Directors Founding Member, Committee Chair, Committee Member, Survey Developer & Analyst, Technical Director, Tournament Director, Vice President, Web Development Consultant
 - Develop and implement the operations and objectives of a new non-profit organization.
 - Coordinate board members to address issues facing the organizations (awards, branding, public relations, sponsors, standards, etc).
 - Develop Association operations, by-laws, activities, rules and procedures for academic competitions and tournaments.
 - Plan and execute organization objectives as a member of 13 committees.
 - Develop 10 print and web-based surveys, analyze resulting data to assess multiple areas of operation, and report recommendations.
 - Develop technical solutions for 4 tournaments (deploy, configure, and support computer systems and networks).
 - Manage and execute 3 tournaments (secured sensitive tournament materials, coordinated volunteers and staff, presented awards).
 - Collaborate with the Executive Committee to lead the Board and preside over Board meetings in the absence of the President.
-
- Raleigh Little Theatre** Jan. 2007 – Present
Assistant Stage Manager, Board of Directors Volunteer Representative, Committee Member, Crew Chief, House Manager, Stage Manager
 - Assisted in managing backstage operations during final rehearsals and performances for 3 productions.
 - Work with staff and other board members to manage the operations of a 76-year-old non-profit organization.
 - Bridge communication between board, staff, and volunteers (resolve conflicts and enhance the volunteer experience).
 - Review, develop, and execute plans to address leadership development, fundraising, marketing, and facilities issues.
 - Recruit, organize, and train teams of 4-15 volunteers to handle various backstage operations for 17 productions.
 - Responsible for front-of-house operations for 11 productions. Trained and managed 4-8 ushers. Interfaced with audience members.
 - Manage rehearsals, performances, and meetings with 5-10 staff, designers, directors, and crew chiefs for 3 productions.
-
- Raleigh Citizens Leadership Academy** Feb. – May 2011
 - Studied the facets of business, civic, and social leadership through 12 workshops and seminars.
 - Developed organizational capabilities, management styles, communication skills, and ethic of service.
-
- NCSU Student Media Board Web Development Committee** Feb. – Mar. 2011
 - Developed a plan to adopt a new structure to facilitate web audience engagement by student publications.
-
- NCSU Leadership Development Series** Jan. – Dec. 2010
 - Studied the facets of academic, business, and community leadership through 15 workshops and seminars.
 - Developed communication skills, organizational understanding, and ethic of service.
-
- ISU Cyber Defense Competition** Sep. – Oct. 2007
Team Captain
 - Recruited and organized a 4-member team to design and defend a small server cluster against attacks by security specialists.
-