

North Carolina State University
Expected Graduation: December 2013
B.S. Computer Science (Minor: History)

Iowa State University
Attended Fall 2007 – Spring 2008
Studied Computer Engineering

Technical Experience

TriangleWiki Mar. 2012 – Present

Administrator, Editor

- Develop content, standards, and templates (CSS, HTML, JavaScript) for an emerging online community resource.

Cigital, Inc. May 2011 – Present

Security Consultant (Intern), Contractor

- 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 Engineering Consultant (Sep. 2010 – Present)

- Design standards and configure Cisco firewalls, routers, and switches for 2 depts. (PIX, 2600, 2940, 3560, 3750, SGE300)

Web Application Developer (Jul. 2010 – Dec. 2011)

- Design and develop web applications and intuitive user interfaces for 3 depts. (AJAX, CSS, jQuery, MySQL, PHP, XHTML)

Raleigh Little Theatre Aug. 2009 – Present

Project Manager, Technician, Consultant

- Design and implement Gigabit Ethernet, network management, VoIP, wireless networking to serve facility and adjacent city park.

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 manage customer relations, expand user base, and audit system performance, business logic, and security.

Independent Consultant Jun. 2002 – Present

Designer, Developer, Editor, Product Architect, Project Manager, System Builder, Technician, Writer

- Design and execute information technology strategies with companies and non-profit organizations to maximize their efforts.
- Design and develop websites, web applications, user interfaces, software, graphics, personal/server computers, and documents.
- Compose and edit academic and professional documents, presentations, procedures, reports, and resumes.

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, configured Cisco enterprise datacenter/network equipment to model future 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, configured Cisco enterprise routers and switches to troubleshoot enterprise customer 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, developed, and documented data-driven web applications using Java, JSP, MySQL, and Wicket framework.
- Created a 25-page Wicket technical reference for SAS engineers.

Technical Experience (CONTINUED)

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- 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).
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- Iowa State University** Sep. 2007 – May 2008
Web Application Developer
 - Developed and migrated web applications and user interfaces for 2 depts. (ASP, CSS, MySQL, PHP, XHTML)
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- ISU Cyber Defense Competition** Sep. – Oct. 2007
Team Captain
 - Recruited and led a 4-member team to design and defend a small server cluster against attacks by information security specialists.
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Leadership Experience

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- Information Systems Security Association** Apr. 2012 – Present
Student Liaison
 - Connect the NCSU IASG with industry professionals and arrange training and professional development opportunities.
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- NCSU Entrepreneurship Initiative Student Network** Feb. 2012 – Present
Consultant, Peer Mentor
 - Develop structured meetings/activities, help student entrepreneurs to develop, review, and foster information technology startups.
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- NCSU Information Assurance Student Group** Apr. 2011 – Present
Co-Founder, Presenter
 - Create and lead a group to promote information assurance awareness through presentations and hands-on demonstrations.
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- 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 operations, by-laws, objectives, procedures, competitions, and tournaments of a new non-profit organization.
 - Coordinate board members to address issues facing the organizations (awards, branding, public relations, sponsors, standards, etc).
 - Develop 10 print and web-based surveys, analyze resulting data to assess multiple areas of operation, and report recommendations.
 - Design and implement technical solutions for 6 tournaments (deploy, configure, and support computer systems and networks).
 - Manage and execute 3 tournaments (secured sensitive tournament materials, managed 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.
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- Raleigh Little Theatre** Jan. 2007 – Present
Board of Directors Volunteer Representative, Committee Member, Crew Chief, House Manager, Stage Manager
 - Collaborate with board members to govern the operations of a 76-year-old non-profit organization.
 - Bridge communication between board, staff, and volunteers (enhance volunteer program, resolve conflicts, report activities).
 - Oversee 3 board-staff-volunteer committees to address volunteer appreciation, leadership, and training.
 - Plan and execute organization objectives as a member of 6 committees (including facilities, fundraising, leadership, marketing).
 - Recruit, organize, and train teams of 4-15 volunteers to handle various backstage operations for 17 productions.
 - Lead for front-of-house operations for 13 productions, trained and managed 4-8 ushers, and interfaced with audience members.
 - Manage rehearsals, performances, and meetings with 5-10 staff, designers, directors, and crew chiefs for 4 productions.
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- DiscoverLit** Apr. – Sep. 2011
Co-Founder, Chief Technical Officer
 - Advised and led the technical development of an e-publishing startup company (CSS, HTML5, MySQL, PHP).
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- NCSU Information Technology Student Advisory Group** Sep. 2010 – Aug. 2011
 - Discussed emerging technologies and their impact on the campus with university leaders and staff.
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- Raleigh Citizens Leadership Academy** Feb. – May 2011
 - Developed business/civic/social leadership, management styles, service ethics, and communication skills.
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- 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.
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- NCSU Leadership Development Series** Jan. – Dec. 2010
 - Developed academic/business/community leadership, communication skills, management styles, and service ethic.
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