
North Carolina State University

Expected Graduation: Fall 2011
Major: Computer Engineering

Iowa State University

Fall 2007 – Spring 2008
Major: Computer Engineering

William G. Enloe High School

Fall 2003 – Spring 2007
GPA: 4.39 / 4.00

Technical Experience

HostedGroups Management System

Jun. 2006 – Present

Founder, Designer, Developer

Develop, host, and maintain a web service using AJAX, PHP, and MySQL to manage registration and attendance records for 1,400+ student-led service club activities for 1,300+ members. Overcome MySQL performance issues as database size grows.

Independent Technology Services

Jun. 2002 – Present

Consultant, Designer, Hardware Technician, Programmer, System Builder, Writer

Consult on technology services and maintenance. Design layouts for websites, graphics, and print documents. Assemble and repair computer systems and software (Linux, Mac, Windows 98/NT/2000/XP/2003/Vista/7). Develop software applications and web services. Create and edit academic and professional documents and presentations.

Cisco Systems, Inc.

Jan. 2009 – Apr. 2010

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

Trained to use Cisco AAA security technologies (ACS 3/4/5.x, ACS Express, CCA 4.x, NAC Profiler 3.1, RADIUS, TACACS+, 802.1x). Provided troubleshoot for Microsoft Active Directory, LDAP, and various supplicants with Cisco Access Control products. Worked with the TAC Security AAA team to resolve security issues in corporate and government networks. Created and edited reference documents for use by other engineers. Trained and mentored co-op's and Cisco Network Academy students.

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

Earned Cisco CCNA certification. Trained to use advanced Cisco software (IOS-XE, IOS-XR, NX-OS), virtual resources (VDC, VRF, VSS), and datacenter equipment (Nexus, MDS). Helped fulltime engineers test deployments and upgrades for customers (5-50 devices). Documented network topologies with Microsoft Visio. Created and edited reference documents. Trained and mentored new co-op's and high school interns.

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

Trained to use Cisco software (CatOS, IOS, IOS-XR, NxOS) and equipment (ISR to CRS routers, Cat2K to Nexus7K switches). Deployed and maintained Cisco equipment. Installed MRV 3-phase power management and Ixia traffic generators. Helped fulltime engineers troubleshoot networks for customers (1-15 devices). Created and edited reference documents. Trained and mentored new co-op students.

SAS Institute, Inc.

May 2008 – Aug. 2008

Technical Student – Management of Information Services

Learned to use Java Wicket. Learned company standards and practices. Designed and created data-driven web applications using Java, JSP, MySQL, and Wicket. Created a 25-page technical reference for other engineers to use when learning Wicket. Documented the projects developed during the internship program.

Kingland Systems Corporation

Oct. 2007 – May 2008

Software Engineering Intern

Developed software in a corporate team-based environment using Microsoft Visual Studio 2005, C#, ASP.net, Adobe Flex, JSP, ExtJS. Designed interfaces using AJAX, CSS, Java, JSP, XHTML, ExtJS, GIMP.

Iowa State University

Sep. 2007 – May 2008

Web Application Developer – Financial Aid & Student Affairs (Sep. 2007 – May 2008)

Developed technology standards and new internal software tools. Created a PHP-driven website structure to unify navigation and simplify design. Developed an Intranet application and PHP/MySQL database manager.

Web Application Developer – Food Sciences & Human Nutrition (Sep. – Dec. 2007)

Designed layouts and updated web applications using ASP, CSS, PHP, XHTML. Migrated existing applications from Windows/IIS/ASP to Linux/Apache/PHP.

Leadership Experience

North Carolina Association for Scholastic Activities

Mar. 2010 – Present

Founding Member – Board of Directors

Develop website and logo design. Develop a web-based application to manage member and event information using AJAX, PHP, and MySQL. Consult on Association operations, by-laws, and activities.

Raleigh Little Theatre

Jan. 2007 – Present

Assistant Stage Manager

Responsible for backstage operations during final rehearsals and performances.

- *Cabaret* (May – June 2009)
- *Cinderella XXV* (Nov. – Dec. 2008)

Deck Crew Chief

Recruited, organized, and trained a team of 10-15 volunteers to handle backstage operations during final rehearsals and productions. Participated in production meetings with crew chiefs, designers, and staff.

- *The Light In The Piazza* (Apr. – Jun. 2010)
- *Cinderella XXVI* (Oct. 2009 – Dec. 2009)

House Manager

Responsible for front-of-house operations during productions. Trained and managed 4-12 ushers at each performance and interfaced with audience members

- *Scenes From American Life* (Sep. 2009)
- *Side By Side By Sondheim* (May 2009)
- *Lend Me A Tenor* (Apr. 2009)
- *Bunnacula* (Nov. 2008)
- *Ozma of Oz* (Jul. 2008)

Light Crew Chief

Recruited, organized, and trained a team of 4-12 volunteers per show to operate the theatre lighting system during final rehearsals and productions. Participated in production meetings with crew chiefs, designers, and staff.

- *The Light In The Piazza* (Apr. – Jun. 2010)
- *Veronica's Room* (Dec. 2009 – Feb. 2010)
- *Scenes From American Life* (Aug. – Sep. 2009)
- *Cabaret* (May – Jun. 2009)
- *Lend Me A Tenor* (Mar. – Apr. 2009)
- *Deathtrap* (Sep. – Oct. 2008)
- *Hot Mikado* (Jul. – Aug. 2008)
- *Radio Gals* (Apr. – Jun. 2008)
- *A Raisin In The Sun* (Jan. – Feb. 2007)

Sound Crew Chief

Recruited, organized, and trained a team of 4 volunteers to operate the theatre sound system during final rehearsals and productions. Participated in production meetings with crew chiefs, designers, and staff.

- *Snoopy! The Musical* (Sep. – Present)

Stage Manager

Assisted the Director during auditions and rehearsals. Organized and moderated production meetings with 5-10 staff, designers, directors, and crew chiefs. Managed cast and crew and at all shows. Legally responsible for safety of cast, crew, patrons, and theatre at all rehearsals and performances. Opened and secured theatre before and after performances and rehearsals.

- *Our Town* (Feb. – Apr. 2010)
- *Lost In Yonkers* (Jun. – Aug. 2009)

Iowa State University

Sep. 2007 – Oct. 2007

Team Captain – Cyber Defense Competition

Recruited and organized a 4 member team. Designed, deployed, and defended a mixed-environment computer network against attacks by academic, federal, and industry security specialists.