

Christina W. Heikkila - senior web developer

Wilmington, NC

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"She stays familiar with emerging technology, keeps excellent records of the work she has done, and, when appropriate, uses online resources to solve problems quickly and inexpensively instead of reinventing the wheel."

Excerpt from 2002 Performance Review

"Christina has continued to acquire new skills that help enhance the usability of existing software and allow her to work on new applications. Her ability to pick up new skills on her own is commendable."

Excerpt from 2000 Performance Review

Objective:

To support an organization's website, including developing web applications, designing user interfaces, writing content, and managing site maintenance.

Skills:

Languages/Protocols:

Perl, XML, CGI, HTML, JavaScript, Cascading Style Sheets, Server-Side Includes, learning PHP, ASP, ASP.NET

Operating Systems:

Linux, Unix (Digital, Solaris, SunOS, HP-UX), Windows (NT, 95, 98, Me, XP, 2000), Mac OS X

Other skills:

Web security, browser compatibility, strategies for site maintainability, code reuse via modules, code revision management via CVS and RCS, Apache web server administration, SQL and database interfaces. Blackboard and CampusCruiser administration.

Technical Training:

Self-taught: Unix, HTML, CGI, HTTP, Perl, JavaScript, PHP, Blackboard administration. Classes: Intro to Java, Intermediate CGI Programming, Adv. CGI Programming, Intro to C, Security for System Administrators, CampusCruiser

Leadership Training:

Trained to conduct performance appraisals

Experience:

Webmaster, Cape Fear Community College (Oct 2003 – present)

Responsible for the college's websites on four linux servers: the public website, intranet, Blackboard system, and the student email server/website. Administered the Blackboard system (a learning management system), and the CampusCruiser system (web portal). Performed many system administration tasks on the linux machines, including user administration, email management, and log monitoring. Provided support for instructors, staff, and students at the college's four campuses.

Web Programmer, Independent Contractor (May 2003 – Oct 2003)

Designed and developed an affiliate tracking system to interface with a client's e-commerce application. The application was developed in Perl with a MySQL back-end. Provided consulting services for installing discussion boards and in planning meetings for client websites.

"The customer couldn't be happier with Christina and the work that she does. She has an excellent rapport and communicates well with the customer."

**Excerpt from
1998
Performance
Review**

"Christina has tackled a variety of data, network, and Web problems; she has solved them quite effectively. She applies her knowledge of science, operations, and computing to create solutions for poorly defined problems."

**Excerpt from
1996
Performance
Review**

Senior Staff Scientist, SSAI (Oct 2001 – Aug 2003)

Senior Programmer/Analyst, Emergent IT, Inc. (Dec 2000 - Oct 2001)

Senior Programmer/Analyst, Raytheon ITSS, (Apr 1998 - Dec 2000)

(The contract for the above positions changed companies though the job remained the same.)

Web programmer for HEASARC at NASA Goddard Space Flight Center. Task leader for the Web/Databases work activity at HEASARC. Wrote semi-annual reports to NASA detailing the task activities, resulting in award fees and scores of "excellent" from the customer. Primary web programmer on Browse (the main archive interface at the HEASARC). Sole programmer developing Astrobrowse and Hera. Represented the HEASARC at three scientific meetings. Developed web applications using Perl, with user interfaces designed in HTML and JavaScript. Ensured that JavaScript code and stylesheets were compatible across browsers and platforms. Maintained code using configuration management software. Enforced code security by using Perl taint mode and checking validity of user-supplied information. Developed client-server applications built on the HTTP protocol. Modified web interfaces to meet federal accessibility requirements.

Webmaster, Russett Community Association (volunteer May 1998 – Aug 2003)

Director of content and programmer. Implemented site-level Apache server directives, updated content, provided programming solutions in Perl and JavaScript. Maintained site using server-side includes and cascading style sheets, with accessibility and usability as top priorities.

Systems Engineer 3, AlliedSignal Technical Services Corporation, (1997 - 1998)

NASA Goddard Space Flight Center

Continued duties of the position below with Hughes STX.

Monitored the health and safety of the RXTE science instruments.

Programmer/Analyst/Experiment Monitor, Hughes STX, (1995 - 1997)

Member of the Science Operations Facility for the Rossi X-ray Timing Explorer at NASA Goddard Space Flight Center

Received NASA GSFC Group Achievement Awards in 1995, 1996, and 1997, and Hughes STX Team Award in 1995.

Monitored science data telemetered from the spacecraft.

Provided real-time mission planning.

Automated tasks via Perl scripts, reducing staff requirements.

Administered the SOF intranet and the SOF Public Access Site.

Created web tools using Perl CGI scripts.

Research Assistant, Astronomy Department, NMSU. (1992 - 1995)

Teaching Assistant, Astronomy Department, NMSU. (1992 - 1994)

Research Assistant, Department of Physics & Astronomy, UNC-CH. (1991 - 1992)

Education:

MS Astronomy, New Mexico State University (Las Cruces), 1995

BS Physics, University of North Carolina at Chapel Hill, 1992