

Jeffrey W. Schuler

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OBJECTIVE

Enact positive {social, environmental, and economic} change by creating quality software -- using emerging technologies and focusing on design, process, and usability.

EDUCATION

Case Western Reserve University (CWRU)

Bachelor of Science, Computer Science

Cleveland, Ohio

May 2002

EMPLOYMENT

Cleveland Medical Devices Inc.

Software Engineer

Design and develop software for company products, serving clinical, research, and education markets.

Create low- and high-level software: from wireless device communications to user interfaces. Effect all parts of software cycle; build process, testing, documentation, installation, publishing, support, development kits.

Network Admin, Application/Intranet Developer

October 2003 - May 2004

Responsible for I.T. infrastructure. Designed and maintained network and server environment, concentrating on cost, security, and efficiency. Created collaborative intranet and document management system.

Administered phone and security systems. Developed software tools for internal use.

Camp Chipinaw

Systems/Network Admin, Computer Instructor, Counselor

Swan Lake, New York

June - August, 2002 & 2003

As Counselor: lived, ate, and engaged with a group of young campers; as System Administrator: installed and maintained >30 networked lab machines for staff and camper use; as Computer Instructor: taught five classes per day of computer and graphics skills to groups of up to twenty campers. Other duties: audio recording and production, and graphic design tasks.

WorldWide Opportunities on Organic Farms

Farmworker

Spain

January 2003 - May 2003

Worked full-time on four organic farms in rural Mediterranean Spain, in return for food and accomodation.

Studied Spanish language and culture, as well as organic farming techniques. Grew and harvested fruits and vegetables, tended land and animals, and helped construct a stone house.

Danka Services International ->

Pitney Bowes Management Services

Systems Engineer (Intern)

Rochester, New York

Summer '00, Winter '00, Summer '01

Tested "Mail in Motion," a Java/Sybase Server-based application interacting with PalmOS terminals. Installed and configured Mail in Motion servers and workstations for corporate clientele, and directly supported customers (troubleshooting) on Mail in Motion platform: Apache HTTP Server, Sybase SQL Server, JDK, JRE, JSDK, Windows 98/NT/2000, and PalmOS. Additionally developed a client website, and documented technical processes for training purposes.

The Bridgewater Group

Web Director

Fairport, New York

December 1998 - December 2001

Designed and created firm's previous website, showcasing its products and marketing.

Center For Music and Technology, CWRU

Systems Administrator, Web and Database Designer

Cleveland, Ohio

August 2000 - May 2001

Maintained and administered lab Mac OS X server and Mac OS 9 workstations. Developed database-driven and media-rich websites using FileMaker Pro.

TECHNICAL SKILLS

Operating Systems: Mac OS 7-10, Windows 95-XP/NT, Linux; some BSD (Net/Open) and Solaris

Languages: C/C++, Perl, LISP, Pascal, Visual Basic, SQL, AppleScript, MATLAB; some Objective C, Ruby, Python, and Fortran

IDEs/Dev Tools: C++ Builder, Eclipse, Visual Studio.NET, TeamCoherence, CVS, svn; some Xcode

Unix Tools: Bash and Csh scripting, Sed, Awk, gcc, g++, gcl, gdb

Web Technologies: HTML, CSS, PHP, XML, Javascript, Apache HTTP Server; some Flash, XSLT

Spoken Languages: English (native), Spanish (conversational), some Portuguese

TECHNICAL COURSEWORK

Operating Systems, Software Engineering, Theoretical Computer Science, Programming Language Concepts, Algorithms and Data Structures, Intelligent Systems, Database Systems, Computer Architecture, Discrete Math, Differential Equations, Linear Algebra

ACTIVITIES AND INTERESTS

Cleveland Spanish Language Meetup

2004-2006

Meetup Group Organizer

Organized weekly group meetings and events, and facilitated interaction and conversation.

CWRU Macintosh User Group

Cofounder (1999), Webmaster (1999-2002), Treasurer (1999-2000), Vice President (2001-2002)

Organized group meetings and events, and collaborated with peer leaders to focus and grow the organization. Actively sought new members and roles for the group. Created the website with HTML and Javascript, served it using 4D WebStar HTTP Server, and administered the group mailing list.

CWRU Ride Board

Developer, Webmaster

April 1999 - May 2002

Created, developed and served a web-based Share-A-Ride board. Coded CGI/Perl back-end, wrote HTML by hand, designed graphics using Adobe Photoshop, and served the site using Apache HTTP Server.

CWRU Triumph

Web Developer

November 1998 - October 1999

Cooperatively designed and developed web-based student newspaper for CWRU Community.

CWRU Sherlock Plug-ins

Plug-in Developer

August 1999 - January 2002

Conceived, developed and maintained plug-ins for various CWRU directory services to operate under Apple's Sherlock search engine interface, with documentation and web presence.

Runner

Marathoner, former NCAA Division III competitor

Run year-round. Have competed in UAA and NCAC conference championships for CWRU Track and Cross Country, Regional championships in Cross Country, and placed in top 3% in 2002 Dublin Marathon.

Musician

Play violin, (Rochester Philharmonic Youth Orchestra member: 1994-1998,) guitar, mandolin; some brazilian percussion and piano.

Traveler

Traveled to 13 countries, lived and worked in Ireland and Spain, studying people, culture and language.