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## SUMMARY

I have over fifteen years of programming experience, ten years of Internet experience, and five years of experience managing departments, projects, or programs. I follow closely the developments in Internet and computing technology, and am adept at defining organizational technology strategy and managing its implementation. I have developed numerous Internet services, a corporate intranet, and produced three America Online channels. I am proficient in the use of technologies including HTML, JavaScript, CSS, Java, Perl, PHP, XML, ASP, Apache, and IIS; Windows, UNIX, Macintosh, and mainframe operating systems; Oracle, SQL Server, and MySQL databases; Bricolage CMS, MovableType and Blogger, and AOL publishing tools. I have studied programming languages including Java, C, C++, FORTRAN, Pascal, and Lisp. I have spoken and written about technology policy and the social impacts of computers and the Internet, and advised local government on privacy implications of web applications.

## PROFESSIONAL EXPERIENCE

**Editorial Projects in Education**, March 2006 - Present. Executive Producer, edweek.org.

- ◆ Steer content production and new content development, including multimedia, community, redesigns and partnerships.
- ◆ Oversee technology strategy and prioritization, development, hosting, and maintenance contracts, vendor relationships.
- ◆ Implement advertising, audience development (registration/authentication), usage metrics, other business technologies.
- ◆ Negotiate contracts with technology and talent providers and oversee their implementation, adding ESRI, ForumOne.

**Editorial Projects in Education**, May 2005 – March 2006. Web Technology Lead/Manager.

- ◆ Responsible for all web servers, software development, CMS customization, and contractor oversight.
- ◆ Use Linux, Apache, Perl, PHP, Bricolage, MovableType; services from Hitbox, eMeta, DoubleClick, and YesMail.
- ◆ Develop software for dynamic website functions and templates for the content management system.
- ◆ Manage contractors and interns performing software development.

**Computer Professionals for Social Responsibility (CPSR)**, 1985-Present.

- ◆ Board of Directors, 1991-1994, 2002-2006; Chair, IP Working Group, Publications and Technology Committee.s
- ◆ Launched CPSR web site, public mailing lists; write and speak on IP, privacy vs. security, media policy, elections.
- ◆ Co-founded DC Chapter, currently Chapter Secretary; worked on 1996 Annual Meeting at Georgetown University.

**Media Matters for America**, 2004 – 2005. Director of Technology and Online Community.

- ◆ Responsible for all servers, networks, workstations, web site, software development, and media capture technology.
- ◆ Work with Linux, Apache, Perl, HTML-Mason, XML-Comma, and Final Cut and other media encoding software.
- ◆ Oversee technology strategy and prioritization, design and maintenance contracts, vendor relationships.
- ◆ Manage a department of five software developers and web producers.

**NASD, Inc.**, 2003 – 2004. Information Architect (independent consultant).

- ◆ Designed the information architecture for a new, user-centric, consistent and coherent NASD.com web site.
- ◆ Developed prototypes used in user testing and in the implementation of two phases of redesign rollout.
- ◆ Conducted user tests and helped to review and select a content management system (Stellent) for new site.
- ◆ Co-created style guide and created style sheets to implement the styles and enforce consistency.

**District of Columbia, Office of the Chief Technology Officer**, 2003.

Web Developer/Privacy Analyst, eGovernment Strategy (contracted by InterImage, Inc.)

- ◆ Developed the user interface, program logic, and data model for the new DC Government portal, DC.Gov, in particular user registration and profile management features, and the interface to an external subscription provider, GovDocs, Inc.
- ◆ Developed eGovernment Privacy Strategy and online Security and Privacy documents, to protect customers' privacy.
- ◆ Updated online public and charter school database called DCSchoolSearch, provided by the State Education Office.
- ◆ Utilized Active Server Pages, ActiveX Data Objects, SQL Server, HTML, JavaScript, and CSS technologies.

**The Adrenaline Group, Inc.**, 2000-2002. User Interface Developer.

- ◆ Designed the user interfaces for large web-based applications, creating clear, consistent navigation and easy accomplishment of important tasks; implemented these interfaces in JSP, Java servlet templates, PHP, and HTML.
- ◆ Reviewed user interfaces for both web and windows applications, improving usability and conversion rates.
- ◆ Managed technical implementation of large projects, keeping clients informed via milestone plans and status reports.
- ◆ Enabled rapid releases using short, incremental milestones, XP and UML methods, and tools like CVS and Bugzilla.
- ◆ Worked with clients such as NASD, Verisign, Footlocker.com, Subprimex, mPortal, and the New Media Society.
- ◆ Utilized HTML, JavaScript, CSS, XML, Java, PHP, Oracle, MySQL, Linux, Apache and other technologies.

**PROFESSIONAL EXPERIENCE(cont.)**

**Exit1, Inc., 1999-2000. Web Developer.**

- ◆ Developed the user interface and back-end of database-driven applications for the web.
- ◆ Managed the technical implementation of large projects, defining the overall architecture and planning execution.
- ◆ Managed Apache web servers on FreeBSD and Windows NT machines.
- ◆ Worked with clients such as OptionWealth, Best Buddies, and the Association of School Board Officers.
- ◆ Utilized HTML, JavaScript, Perl, MySQL, Apache, FreeBSD, Windows NT and other technologies.

**Cambridge Associates, Inc., 1997-1999. Web Developer.**

- ◆ Designed and implemented company-wide Intranet, simplifying access to documents and databases.
- ◆ Evaluated technology, organized content, designed pages, established production procedures, recruited and trained staff.
- ◆ Developing database-driven web site and Netscape-server newsgroups, enhancing interactivity and usefulness.
- ◆ Implementing an Extranet to provide proprietary data to clients and remote access to employees.
- ◆ Utilized IIS 4.0, SQL Server, ASP/ADO, JavaScript and CSS.

**America Online, Inc. (AOL), 1993-1996. Producer - Education and Music.**

- ◆ Coordinated the design and launch of MusicSpace, art production, screen construction, content organization.
- ◆ Coordinated Internet activities for Kids/Education/Music group, including the creation of original World Wide Web content, and the integration of existing Web and other Internet content into these channels.
- ◆ Led a team of four producers and trained several new producers, quickly integrating them into operations.
- ◆ Worked with Information Providers--including Rolling Stone, National Geographic, the Smithsonian Institution, and major record labels--to create well-organized and intuitive content areas; trained them in AOL production tools.

**Internships/Consultancies, 1990-1993 (during graduate studies at GWU).**

Developed the capacity to use the Internet as an organizing or research tool; produced documents on information technology and telecommunications policy; managed databases of members and meeting attendees.

- ◆ Founding Board of Directors, National Capital Area Public Access Network (CapAccess).
- ◆ Center for the Study of Responsive Law -- Essential Information and Taxpayer Assets Projects.
- ◆ National Commission for Economic Conversion and Disarmament.
- ◆ Greenpeace International, Nuclear Information Unit.
- ◆ U.S. Department of Commerce, Office of Technology Policy.
- ◆ Center for Strategic and International Studies (CSIS), International Communication Program.

**International Business Machines Corp. (IBM), 1984-1990. Senior Associate Programmer.**

- ◆ Installed and administered mainframe software platforms for development; supervised contract programmers.
- ◆ Provided systems analysis for technical document management systems; customers included Ford Motor Company.
- ◆ Developed circuit board test programs, installed tests and trained operators at contract board vendor locations.

**Yale Broadcasting Company, Inc. (WYBC-FM), 1980-1984.**

Program Director, Station Manager, Chief Engineer (acting), Production Director -- 1982.

Music Director and Announcer for various formats, Producer, Newscaster, etc. -- 1980-1984.

**EDUCATION**

**Yale University, New Haven, CT. Yale College, B.S. in Electrical Engineering, May 1984.**

Studied Digital Electronics, Computer Design, Architecture, and Programming, Political Science, History, and the Arts; undertook many musical and political activities, including sound engineering, and radio station programming and management (see below); awarded National Merit Scholarship.

**The George Washington University, Washington, DC.**

Elliott School of International Affairs, M.A. in Science, Technology and Public Policy, Spring 1993.

Studied science and technology management, public administration, information policy, survey research, economics, and statistics; wrote about Internet publishing, intellectual property, and competitiveness; awarded a fellowship.

**Computer Institute, Rockville, MD. Internet Specialist Certificate, Spring 1997.**

**Architag International, Denver, CO. XMLU, <TAG> '98 conferences, 1998.**

**Microsoft Certified Professional (MCP) – Analyzing Requirements and Defining Solution Architectures.**

**SPEAKING AND WRITING**

**Roundtable Discussion on encouraging the adoption of Open Document Format (ODF) as a standard,** Consumer Project on Technology, March 2006

Met with **US Delegation to World Intellectual Property Organization** as part of a coalition of activists concerned about the Xcast Treaty, February, 2006.

**US Election Assistance Commission,** presented testimony containing recommendations for election reform under the Help America Vote Act of 2002, along with representatives of other independent organizations, January 2005.

**National Committee for Voting Integrity Press Conference,** presented information about CPSR's role in supporting the Tech Watch and Election Information Recording System, November 2004.

**Nonprofit Technology Enterprise Network, DC Regional Conference,** spoke on a panel entitled *Building Successful Organizations and Virtual Communities: Best Practices and Free Software Tools for the Internet*, October, 2004.

**Knowledge Held Hostage? Scholarly versus Corporate Rights in the Digital Age,** Invited Respondent, Annenberg School for Communication/University of Pennsylvania, June 2004.

**Kennedy School of Government/National Science Foundation Symposium on Voting and Vote Counting,** Invited Participant, Cambridge, MA, June 2004.

**Internet Commons Congress,** Speaker on Digital Democracy Panel, Rockville, MD, March 2004.

**Fox Morning News,** Debated president of Society of Human Resource Management on privacy implications of background checks available on Yahoo! HotJobs, Washington, DC, March 2004.

**Using Technology to Control the Flow of Ideas,** CPSR Journal, Summer 2002, Editor, Contributor.

**Intellectual Property and Digital Technology,** panel organizer and moderator, ISTAS '02, Raleigh, NC, June 2002.

**Restoring Balance to Intellectual Property Rules,** presentation and paper for the Proceedings, DIAC-02 Symposium, Seattle, WA, May 2002.

**Intellectual Property and the Arts,** Guest Lecturer, University of Virginia, Digital Art – Inter./Adv., April 2002.

**Appropriate Technology for Grass-Roots Social Action Organizations,** presentation to Greensboro Justice Fund Grantees Conference, November 1999.

**Practicing Policy,** participant in annual conference sponsored by the Virginia Tech Science, Technology, and Society Graduate Program, Blacksburg, VA, Spring 1996.

**Technology Policy in the Post-Cold War World (Civilian Proposals),** Todd Schafer and Paul Hyland, *The Journal of Economic Issues*, Volume 28, June 1994, p. 597-608.

**Serving the Community: A Public-Interest Vision of the National Information Infrastructure,** Computer Professionals for Social Responsibility, October 1993. (Helped draft, edit, and incorporate member comments.)

**Case Studies: Computer Telecommunications As Used by Non-Profit Advocacy Organizations,** January 1993.

**PERSONAL**

Member of the Association of Computing Machinery, and its Special Interest Groups in Computer-Human Interaction (SIG-CHI) and Computers and Society (SIG-CAS); The Internet Society, the Nonprofit Technology Enterprise Network (NTEN), the Electronic Frontier Foundation (EFF), and CPSR. Member of Oxymorons (musical group), performing conga/percussion, guitar and vocals. Enjoy outdoors, including hiking, biking, swimming, camping, running, Frisbee, and golf.