

Sarah Horton

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Current Employment

Director, Web Strategy, Design, and Infrastructure

Dartmouth College, Hanover, New Hampshire, USA

September 2007–present

Providing overall leadership for the Dartmouth College web site, including design, architecture, accessibility and usability, standards, policies, application development and deployment, and infrastructure.

- Developing an overall strategy for the Dartmouth College web site and maintaining the College's web master plan.
- Developing policies and procedures to support the College's web strategy.
- Convening web governance committees for the College.
- Designing key Dartmouth College web sites and web applications.
- Participating on the senior management team for both Computing Services and the Office of Public Affairs.
- Managing the Web Services department, which provides web design, development, and hosting services to the campus.
- Designing and managing the Dartmouth Computing web site.
- Providing project leadership on new web-based systems and applications.
- Promoting the application of new web technologies to support the mission and goals of the institution.
- Promoting campus-wide adoption of best practices for web design.

Web Consultant

Hanover, New Hampshire, USA

March 1996–present

Promoting user-centered design and universal usability through presentations, workshops, publications, and consulting.

- Authoring books, including *Web Style Guide: Basic Design Principles for Creating Web Sites*, coauthored with Patrick Lynch, *Web Teaching Guide: A Practical Approach to Creating Course Web Sites*, and *Access by Design: A Guide to Universal Usability for Web Designers*.
- Writing articles and tutorials for various publications, including *The New York Times*, *Peachpit*, *Boxes and Arrows*, *Digital Web Magazine*, and *IEEE Computer*.
- Presenting at conferences and workshops, including World Usability Day, WebVisions, New Media Consortium, Academic Impressions, International Cross-Disciplinary Workshop on Web Accessibility (w4A), and Web Design that Works for Everyone.
- Consulting with the Special Programme for Research and Training in Tropical Diseases of the World Health Organization, the Dartmouth-Hitchcock Medical Center, Pasadena City College, and Dartware.

Previous Employment

Senior Instructional Technology Specialist

Dartmouth College, Hanover, New Hampshire, USA

March 1996–September 2007

Assisted faculty in creating and using computer-based curricular resources in support of learning, with a focus on web design and development, usability, and accessibility. Managed the development of web applications and web sites, including several redesigns of the main Dartmouth site. Managed the design and production of online and print publications, including newsletters, posters, brochures, and the online journal, *CREATE: Computing, Research and Teaching*. Researched instructional technologies and their impact on teaching and learning, and represented Academic Computing on campus committees, including the Dartmouth Center for the Advancement of Learning.

Courseware Programmer

Macmillan/McGraw-Hill School Division

Farmington, Connecticut, USA

October 1995– February 1996

Served as programmer on a courseware design team to develop programs for the grade school market teaching phonics at varying levels of difficulty in an accessible and playful setting..

Designer/Programmer

Yale University School of Medicine

Center for Advanced Instructional Media

New Haven, Connecticut, USA

March 1991– December 1992

Designed and developed award-winning instructional CD-ROMs for medical and continuing education, including *Atlas of Myocardial Perfusion Imaging* and *Introduction to Cardiothoracic Imaging*.

Designer/Programmer

Yale University

Academic Computing Services

New Haven, Connecticut, USA

July 1990– March 1991

Served as production manager for *Omnibus*, a monthly computing supplement to Yale's *Weekly Bulletin and Calendar*, and designed and developed publications and applications.

Special Projects Coordinator

Yale University

Academic Computing Services

New Haven, Connecticut, USA

February 1989– July 1990

Designed documents, articles, and graphics for computing publications, and developed application interfaces.

Education

Master of Arts in Liberal Studies

Wesleyan University, Middletown, Connecticut, USA
Graduate Liberal Studies Program, Humanities

Bachelor of Music

University of Connecticut, Storrs, Connecticut, USA
Music Theory and French Horn

Special Activities

- ASSETS 2006 Computers and Accessibility Program Committee
- ASSETS 2007 Computers and Accessibility Program Committee
- Committee on Standards, Dartmouth College
- Copyright Working Group, Dartmouth College
- Dartmouth Center for the Advancement of Learning, Dartmouth College
- Education and Outreach Working Group (former member), Web Accessibility Initiative, World Wide Web Consortium
- Provost Division Diversity Committee, Dartmouth College
- Section 504/ADA Committee, Dartmouth College
- W4A 2007 Program Committee
- Web Access Group, Dartmouth College

Awards

- Best Book in Computer Science, *Web Teaching Guide*
American Association of Publishers Professional and Scholarly Publishing Division, 2000
- Bronze Award, Training and Support Web Site
NewMedia Magazine INVISION Multimedia Awards, 1997
- First Place, Interactive Media
Health Sciences Communications Association, 1994
- Silver Medal, Higher Education Applications
NewMedia Magazine INVISION Multimedia Awards, 1994
- Certificate of Merit, Scientific Paper
Radiological Society of North America, 1993
- Silver Medal, Professional Training
New York Festivals International Interactive Multimedia Competition, 1993
- Gold Medal, Corporate Applications – Medical Training
NewMedia Magazine INVISION Multimedia Awards, 1993
- Award of Excellence
NewMedia Magazine INVISION Multimedia Awards, 1993
- Certificate of Merit, Scientific Paper
Radiological Society of North America, 1992
- First Place, Interactive Media
Health Sciences Communications Association, 1992
- Elmer Friman Best-in-Show Award
Health Sciences Communications Association, 1992

Publications

- Horton, S. Cascading Style Sheets Part 6: Styling for Small-Screen Devices. Web Design Reference Guide, *Peachpit*, 21 November 2007, www.peachpit.com/guides.
- Horton, S. Cascading Style Sheets Part 5: Styling for Print. Web Design Reference Guide, *Peachpit*, 2 November 2007, www.peachpit.com/guides.
- Horton, S. Cascading Style Sheets Part 4: Selective Printing. Web Design Reference Guide, *Peachpit*, 21 September 2007, www.peachpit.com/guides.
- Horton, S. Cascading Style Sheets Part 3: Media Style Sheets. Web Design Reference Guide, *Peachpit*, 17 August 2007, www.peachpit.com/guides.
- Horton, S. Cascading Style Sheets Part 2: Shorthand. Web Design Reference Guide, *Peachpit*, 6 July 2007, www.peachpit.com/guides.
- Horton, S. Cascading Style Sheets Part 1: Browser Styling. Web Design Reference Guide, *Peachpit*, 25 May 2007, www.peachpit.com/guides.
- Horton, S. and L. Leventhal. 2007. Universal Usability. To appear in *Web Accessibility: A Foundation for Research*, S. Harper and Y. Yesilada (Eds). Springer.
- Horton, S. Writing Alternate Text for Images. Web Design Reference Guide, *Peachpit*, 2 February 2007, www.peachpit.com/guides.
- Horton, S. Writing Link and Heading Text. Web Design Reference Guide, *Peachpit*, 12 January 2007, www.peachpit.com/guides.
- Horton, S. Working With Large Images. Web Design Reference Guide, *Peachpit*, 15 December 2006, www.peachpit.com/guides.
- Horton, S. Designing Data Tables. Web Design Reference Guide, *Peachpit*, 17 November 2006, www.peachpit.com/guides.
- Horton, S. Designing Pages for Linear Access. Web Design Reference Guide, *Peachpit*, 6 October 2006, www.peachpit.com/guides.
- Horton, S. Designing Usable Forms. Web Design Reference Guide, *Peachpit*, 8 September 2006, www.peachpit.com/guides.
- Horton, S. 2006. Designing Beneath the Surface of the Web. In *Proceedings of the 2006 International Cross-Disciplinary Workshop on Web Accessibility (W4A): Building the Mobile Web: Rediscovering Accessibility?* W4A, vol. 134. ACM Press, New York, NY, 1–5.
- Horton, S. Designing Accessible Text – Part 4: Typeface. Web Design Reference Guide, *Peachpit*, 11 August 2006, www.peachpit.com/guides.
- Horton, S. Designing Accessible Text – Part 3: Color. Web Design Reference Guide, *Peachpit*, 21 July 2006, www.peachpit.com/guides.
- Horton, S. Designing Accessible Text – Part 2: Text Size. Web Design Reference Guide, *Peachpit*, 19 May 2006, www.peachpit.com/guides.
- Horton, S. Designing Accessible Text – Part 1: Structure. Web Design Reference Guide, *Peachpit*, 31 March 2006, www.peachpit.com/guides.
- Horton, S. Designing Accessible Audio. Web Design Reference Guide, *Peachpit*, 24 February 2006, www.peachpit.com/guides.
- Horton, S. Designing Flexible Layouts. Web Design Reference Guide, *Peachpit*, 20 January 2006, www.peachpit.com/guides.
- Horton, S. Designing Forms for Keyboard Access. Web Design Reference Guide, *Peachpit*, 19 December 2005, www.peachpit.com/guides.

- Horton, S. Designing Navigation with Lists. Web Design Reference Guide, *Peachpit*, 11 November 2005, www.peachpit.com/guides.
- Horton, S. 2005. *Access by Design: A Guide to Universal Usability for Web Designers*. Berkeley, CA: New Riders. [See also www.universalusability.com]
- Horton, S. Forging a Partnership between Designer and User. *Digital Web Magazine*, 1 September 2004, www.digital-web.com.
- Horton, S. Beauty is Only Screen Deep. *Boxes and Arrows*, 14 October 2002, www.boxesandarrows.com.
- Horton, S. Making Web Accessible to All. *The New York Times*, 10 June 2002, C4.
- Lynch, P. and S. Horton. 2002. *Web Style Guide: Basic Design Principles for Creating Web Sites*, 2nd ed. New Haven: Yale University Press. [See also www.webstyleguide.com]
- Horton, S. 2000. *Web Teaching Guide: A Practical Approach to Creating Course Web Sites*. New Haven: Yale University Press. [See also www.webteachingguide.com]
- Horton, S. 2000. Interfacing Media: User-Centered Design for Media-Rich Web Sites. *Syllabus* 14(3) 22-26.
- Lynch, P. and S. Horton. 1999. *Web Style Guide: Basic Design Principles for Creating Web Sites*. New Haven: Yale University Press.
- Lynch, P. and S. Horton. 1998. Hypertext Markup Language as an Authoring Tool for CD-ROM Publication. *Journal of Biocommunication* 25(2) 20-25.
- Horton, S. and P. Lynch. 1998. Typography in Web pages. *Syllabus* 11(7) 42-55.
- Lynch, P. and S. Horton. 1998. Refining Web Pages: Effective Design Strategies for Educators. *Syllabus* 11(6) 39-43.
- Horton, S. and P. Lynch. 1997. Web Multimedia: Turning the Corner. *Syllabus* 11(4) 16-20.
- Lynch, P. and S. Horton. 1997. HTML vs Multimedia Authoring Tools. *Syllabus* 11(3) 16-20.
- Lynch, P. and S. Horton. 1997. Internet Watch: Imprudent Linking Weaves a Tangled Web. *IEEE Computer* 30(7) 115-117.
- Lynch, P. and S. Horton. 1997. *C/AIM Web Style Guide*, 2nd ed. info.med.yale.edu/caim/manual.
- Jaffe, C., P. Lynch, P. Simon and S. Horton. 1995. *Introduction to Cardiothoracic Imaging: Essentials Edition*. New Haven: Yale Center for Advanced Instructional Media. CD-ROM. Philadelphia: Mosby.
- Jaffe, C., P. Lynch, P. Simon and S. Horton. 1995. *Introduction to Cardiothoracic Imaging: Comprehensive Edition*. New Haven: Yale Center for Advanced Instructional Media. CD-ROM. Philadelphia: Mosby.
- Wackers, F., ed. 1993. *Atlas of Tc-99m Sestamibi Myocardial Perfusion Imaging*. New Haven: Yale Center for Advanced Instructional Media. CD-ROM and videodisc.
- Lynch, P., C. Jaffe, P. Simon and S. Horton. 1992. Multimedia for Clinical Education in Myocardial Perfusion Imaging. *Journal of Biocommunications* 19(4) 2-8.

Professional Activities

- Presentation: *Adaptive Design for Web Environments*, with Patrick J. Lynch. World Usability Day New England 2007, Dartmouth College, Hanover, New Hampshire, USA, November 2007.
- Keynote: *Access Great and Small*. World Usability Day New England 2006, Landmark College, Putney, Vermont, USA, November 2006.
- Workshop: *Universal Usability*, with Jonathan Lazar. Human-Computer Interaction Laboratory Annual Symposium, University of Maryland, College Park, Maryland, USA, June 2006.
- Keynote: *Designing Beneath the Surface of the Web*. International Cross-Disciplinary Workshop on Web Accessibility (w4A), Fifteenth International World Wide Web Conference, Edinburgh, Scotland, UK, May 2006.
- Presentation: *Universal Usability for Websites*. Extreme Makeover: Collegiate Edition, Sarah Lawrence College, Bronxville, New York, USA, March 2006.
- Webcast: *Designing Accessible Websites*. Academic Impressions, January 2006.
- Presentation: *Universal Usability for Websites*. World Usability Day New England 2005, Dartmouth College, Hanover, New Hampshire, USA, November 2005.
- Presentation: *Making Good Design Decisions*. WebVisions 2005, Portland, Oregon, USA, July 2005.
- Workshop: *Universal Usability*. WebVisions 2005, Portland, Oregon, USA, July 2005.
- Workshop: *Access by Design*. New Media Consortium Summer Conference, University of Hawaii, Oahu, Hawaii, USA, June 2005.
- Presentation: *Reaching and Working with Mainstream Faculty – 2005*. New Media Consortium Summer Conference, University of Hawaii, Oahu, Hawaii, USA, June 2005.
- Presentation: *Universal Usability*. 2004 University Web Roundtable, Dartmouth College, Hanover, New Hampshire, USA, November 2004.
- Presentation: *Universal Usability: Usability for All Users*. University of Connecticut, Storrs, Connecticut USA, November 2004.
- Workshop: *A Basis for Making Design Decisions and Guiding Principles for Accessible and Usable Websites*. University of Rochester, Rochester, New York, USA, July 2004.
- Workshop: *Web Accessibility*. Center for Educational Technology, Middlebury College, Middlebury, Vermont, USA, November 2003.
- Symposium: *Meet Them Where They Are: Designing Functional Library Web Pages*. Annual River Campus Libraries Symposium, University of Rochester, Rochester, New York, USA, March 2003.
- Workshop: *Designing an Accessible Online Campus*. SIGUCCS 2002, Providence, Rhode Island, USA, November 2002.
- Presentation: *Universal Design for Websites*. Built Environments on the Web: Structure, Access, Wayfinding, and Delight, Dartmouth College, Hanover, New Hampshire, USA, October 2002.
- Presentation: *Access in the Academy*. Web Design that Works for Everyone, Rhode Island School of Design, Providence, Rhode Island, USA, October 2002.

- Presentations: *The Information Evolution: How to Survive with the Fittest* and *The Usable Web: A User-Centered Approach to Website Design*. Association of Vermont Independent Colleges, Norwich, Vermont, USA, June 2002.
- Presentation: *Usability: How to Build Web Sites that People Can Use*. Vermont Library Conference, Burlington, Vermont, USA, May 2002.
- Teleconference: *Universal Design for the Web: Designing and Creating Accessible Web Environments*. Accessibility: The New Y2K Teleconference for California Community Colleges, May 2002.
- Presentation: *Is Your Website Accessible? Design Guidelines for Web Developers*. ADA Issues for Libraries, NELINET, Southborough, Massachusetts, USA, April 2002.
- Presentation and Workshop: *Universal Design and Usability*. Academic Technology Roundtable, Wesleyan University, Middletown, Connecticut, USA, April 2002.
- Workshop: *Universal Web Design and Web Teaching*. Conference on Teaching with Technology, The Leading Edge: Issues in Technology and Society, Illinois State University, Normal, Illinois, USA, March 2002.
- Presentation: *Accessible Web Design and Adaptive Technology*. Teaching All Students: Using Universal Instructional Design to Reach a Diverse Student Body, The Ivy Access Initiative, Dartmouth College, Hanover, New Hampshire, USA, December 2001.
- Keynote: *Toward a Usable Web: Striving for the Ordinary*. Fifth Annual October Conference for New England Librarians, Dartmouth College, Hanover, New Hampshire, USA, October 2001.
- Presentation: *Accessible Design: Just Do It*. Fifth Annual October Conference for New England Librarians, Dartmouth College, Hanover, New Hampshire, USA, October 2001.
- Presentation: *Practical Accessibility in Web Page Design*. NERCOMP Web Accessibility Workshop, Amherst College, Amherst, Massachusetts, USA, October 2001.
- Presentation: *Accessible Web Design*. New Media Centers, California State University, Monterey Bay, California, USA, June 2001.
- Presentation: *Riding the Wave: Shifting Currents in Faculty Support*. Syllabus Boston, Danvers, Massachusetts, USA, November 2000.
- Presentation: *Reaching and Working with Mainstream Faculty*. New Media Centers, University of Virginia, Charlottesville, Virginia, USA, June 2000.
- Workshop: *Web Document Design: Creating Web Pages that Communicate*. New Media Centers, University of Virginia, Charlottesville, Virginia, USA, June 2000.
- Presentation: *The Process of Web Teaching: From Planning through Assessment*. Syllabus Boston, Worcester, Massachusetts, USA, November 1999.
- Presentation: *Website Design*. Howard Hughes Medical Institute, Bethesda, Maryland, USA, September 1998.
- Presentation: *Faculty Support Successes and Challenges*. New Media Centers 1998 Summer Conference, Boston, Massachusetts, USA, June 1998.
- Poster Session: *Poetry in Motion: The Rilke Site*. CAUSE '97, Orlando, Florida, USA, December 1997.

- Presentation: *Website Design*. Creative Web-Based Library Education Projects Mini-Conference, Dartmouth College, Hanover, New Hampshire, USA, October 1997.
- Scientific Exhibit: *Myocardial Perfusion Imaging Atlas and Videodisc*. Radiological Society of North America Annual Meeting, Chicago, Illinois, USA, November 1992.
- INFORAD Exhibit: *Strategies for Computer-Based Teaching and Testing*. Radiological Society of North America Annual Meeting, Chicago, Illinois, USA, November 1992.
- Presentation and Workshop: *Health Sciences Symposium*, with C. Jaffe and P. Lynch. Kodak Center for Creative Imaging, Camden, Maine, USA, June 1992.
- Workshop: *Graphic User Interface Design*, with P. Lynch. Health Sciences Communications Association Annual Meeting, Bethesda, Maryland, USA, June 1992.
- Technology Exhibit: *Myocardial Perfusion Imaging Atlas and Videodisc*. European Congress on Radiology, Vienna, AUS. September 1991.

Select Websites

Book Sites

- *Access by Design*, www.universalusability.com
- *Web Style Guide*, www.webstyleguide.com
- *Web Teaching Guide*, www.webteachingguide.com

Institutional Sites

- Access Dartmouth, www.dartmouth.edu/~access
- Computing Technology Venture Fund, www.dartmouth.edu/~vfund
- *CREATE: Computing, Research and Teaching*, www.dartmouth.edu/~create
- Dartmouth College, www.dartmouth.edu
- A Five Year Report: 1998–2003 by President James Wright, www.dartmouth.edu/~fiveyearreport
- October Conferences, www.dartmouth.edu/~october
- Towards Freedom, www.dartmouth.edu/~towardsfreedom
- Web Teaching, www.dartmouth.edu/~webteach

Teaching Sites

- Dartmouth Jewish Sound Archive, www.dartmouth.edu/~djsa
- Dartmouth Writing Program, www.dartmouth.edu/~writing
- Human Anatomy, www.dartmouth.edu/~anatomy
- Modulos Culturales, www.dartmouth.edu/~spanmod
- Nietzsche Chronicle, www.dartmouth.edu/~fnchron