Andrew Webb

Computer Scientist, Interaction Designer, Artist

301 Holleman Dr. E. #926
College Station, TX 77840
awebb@cse.tamu.edu
http://www.ecologylab.net/people/andrew

Education

Texas A&M University, College Station, Texas.

Ph.D. in Computer Science, expected May 2012
GPR 4.0
Electives: Computer Graphics, Machine Learning, Creative Cognition, Sketch Recognition

M.S. in Computer Science, August 2007
A Transitory Interface Component for In-Context Visualization and Adjustment of a Value
GPR 3.612
Electives: Human Centered Systems and Information, Physical Interfaces, User Interfaces
and Information Visualization, Recombinant Media, Physically Based Modeling

B.S. in Computer Science, *Cum Laude*, May 2004
GPR 3.603
Electives: Structures of Interactive Information, Design Communication Foundations,
Computer Graphics, Drawing, Photography

Experience

Research Assistant, Texas A&M University; College Station, TX - 2008-Present
Working as a Human Computer Interaction (HCI) researcher in the Interface Ecology Lab.

Web Designer, PageUp America; The Woodlands, TX - 2004-2007
Worked as a part-time freelance web designer creating and improving web site designs.

Teaching Assistant, Texas A&M University; College Station, TX - Fall 2004
Served as T.A. for Structures of Interactive Information. Answered students questions about
assignments. Provided them with feedback on their work. Graded assignments.

Co-owner and Designer, ACW Custom Signs; Willis, TX - 2003-2005
Started a vinyl graphics business with my brother. We created automotive graphics, signs,
and banners.

Web Designer, DeGroot Web; The Woodlands TX - Summer 2000
Designed and maintained web pages for a wide variety of clients from small non-profit
organizations to large corporations. Gained substantial experience in working with HTML,
CSS, Javascript, Flash, and Photoshop.

Selected Publications

Kerne, A., Qu, Y., Webb, A.M., Damaraju, S., Lupfer, N., Mathur, A. Meta-Metadata: A Metadata Semantics Language for Collection Representation Applications, *Proc ACM Conference on Information and Knowledge Management* 2010.

Webb, A. and Kerne, A. The In-Context Slider: A Fluid Interface Component for Visualization and Adjustment of Values while Authoring, appearing in *Proceedings of ACM Advanced Visual Interfaces 2008*.

Kerne, A., Koh, E., Smith, S. M., Webb, A., Dworaczyk, B., combinFormation: Mixed-Initiative Composition of Image and Text Surrogates Promotes Information Discovery , *ACM Transactions on Information Systems (TOIS), 27(1)*, Dec. 2008, 5:1-45

Webb, A., Kerne, A., Koh, E., Human Movement and Clear Affordances Promote Social Interaction, *Leonardo Electronic Almanac*, 15(5-6), May 2007.

Koh, E., Kerne, A., Damaraju, S., Webb, A., Sturdivant, D., Generating Views of the Buzz: Browsing Popular Media and Authoring using Mixed-Initiative Composition, *Proceedings of ACM Multimedia 2007*, 228-237.

Webb, A., Kerne, A., Koh, E., Joshi, P., Park, Y., Graeber, R., Choreographic Buttons: Promoting Social Interaction through Human Movement and Clear Affordances, *ACM Multimedia 2006, 451-460*.

Skills

I have extensively used Java and C# for interaction and user interface design. I have worked with the Prefuse toolkit to build an information visualization for an interactive installation. As a graphic and web designer, I have made diligent use of Photoshop, Illustrator, DHTML, AJAX, and JSP. I have experience using MAX/MSP/Jitter to create an interactive art installation. In my course work, such as Physically Based Modeling and Computer Graphics, I have written numerous applications using C++ and OpenGL. I have developed applications using all of the following operating systems: Windows, Mac OS X, Unix, and Linux.