

Yan Zhang

1616 Guadalupe, Suite #5.202
Austin, TX 78701-1213
(512) 471-9448
yanz@ischool.utexas.edu
<http://www.ischool.utexas.edu/~yanz/>

EDUCATION

- Ph.D. 2009 Information Science (Psychology minor) University of North Carolina at Chapel Hill
- M.S. 2004 Information Sciences, University of Tennessee, Knoxville
- B.S. 2001 Information Management and Systems, Nanjing University, China

PROFESSIONAL EXPERIENCE

- 2009 – present Assistant Professor, School of Information, University of Texas at Austin
- 2005 – 2009 Teaching Fellow, University of North Carolina at Chapel Hill (2008-2009)
Research Assistant, University of North Carolina at Chapel Hill (2005-2008)
- Summer 2007,
Summer 2008 User Experience Intern, IBM Software Group, RTP, NC
- 2007 Usability Consultant, PogoHealth, RTP, NC
- 2002- 2005 Research Assistant, University of Tennessee, Knoxville

PUBLICATIONS

Peer-reviewed journal papers

Zhang, Y. (In press). The impact of task complexity on people's mental models of MedlinePlus. *Information Processing and Management*.

Zhang, Y. (2010). Dimensions and elements of people's mental model of an information-rich web space. *Journal of the American Society for Information Science & Technology*, 61(11), 2206-2218.

Zhang, Y. (2008). Undergraduate students' mental models of the Web as an information retrieval system. *Journal of the American Society for Information Science & Technology* 59(13), 2087-2098.

Zhang, Y. (2008). The influence of mental models on undergraduate students' searching behavior on the Web. *Information Processing & Management* 44(3), 1330-1345.

Tenopir, C., Wang, P., **Zhang, Y.**, Simmons, B., & Pollard, R. (2008) Academic users' interactions with ScienceDirect in search tasks: Affective and cognitive behaviors. *Information Processing & Management* 44(1), 105-121.

Other journal papers

Tenopir, C., King, D., Grayson, M., **Zhang, Y.**, & Ebuen, M. (2003). Patterns of journal use by scientists through three evolutionary phases. *D-Lib Magazine*, 9(5).

Book Chapters

Zhang, Y., & Wildemuth, B. (2009). Thematic content analysis. In B. Wildemuth (Ed.), *Applications of Social Research Methods to Questions in Information and Library Science* (pp.308-319). Westport, CT: Libraries Unlimited.

Zhang, Y., & Wildemuth, B. (2009). Unstructured interview. In B. Wildemuth (Ed.), *Applications of Social Research Methods to Questions in Information and Library Science* (pp.222-231). Westport, CT: Libraries Unlimited.

Peer-reviewed conference papers

Abirached, B, Aggarwal, J. K., Fernandes, T., Miranda, J. C. Orvalho, V., Tamersoy, B., & **Zhang, Y.** (Accepted). Improving communication skills of children with ASDs through interaction with virtual characters. In the *Proceedings of the IEEE 1st International Conference on Serious Games and Applications for Health*. (Accepted for oral presentation)

Zhang, Y., & Fu, W.T. (2011). Designing consumer health information systems: What do user-generated questions tell us? HCI International 2011 - Thematic Area: Augmented Cognition. *LNAI 6780*, pp.536-545.

Zhang, Y. (2010). Contextualizing consumer health information searching: an analysis of questions in a social Q&A community. In the Proceedings of the 1st ACM International Health Informatics Symposium, Arlington, VA, 210-219. (Acceptance rate: 17%)

Kelly, D., Shah, C., Sugimoto, C. R., Bailey, E. W., Clemens, R. A., Irvine, A. K., Johnson, N. A., Ke, W., Oh, S., Poljakova, A., Rodriguez, M. A., van Noord, M. G., & **Zhang, Y.** (2008). Effects of performance feedback on users' evaluations of an interactive IR system. *Proceedings of the 2nd Symposium on Information Interaction in Context (IIX)*, London, UK, 75-82.

Wang, P., Dervos, D. A., **Zhang, Y.**, & Wu, L. (2007). Information-seeking and communication behaviors of academic researchers in the Internet age: A cross-cultural study. *Proceedings of the 70th ASIS&T Annual Meeting*. Milwaukee, WI. (SIG USE Best Research Paper Runner up)

Capra, R., Marchionini, G., Oh, J. S., Stutzman, F., & **Zhang, Y.** (2007). Effects of structure and interaction style on distinct search tasks. *Proceedings of the ACM/IEEE-CS Joint Conference on Digital Libraries (JCDL)* (pp. 442-451). New York: ACM. (Acceptance rate: 28%)

Tenopir, C., Wang, P., Pollard, R., **Zhang, Y.**, & Simmons, B. (2004). Use of electronic science journals in the undergraduate curriculum: An observational study. *Proceedings of the 67th Annual Meeting of the ASIS&T-- Managing and Enhancing Information: Cultures and Conflicts* (pp. 64-71). Medford, NJ: Information Today.

Wang, P., Bales, S., Reiger, J., & **Zhang, Y.** (2004). Survey of learners' knowledge structures: Rationales, methods and instruments. *Proceedings of the 67th Annual Meeting of the ASIS&T-- Managing and Enhancing Information: Cultures and Conflicts* (pp. 218-228). Medford, NJ: Information Today.

Peer-reviewed conference posters

Zhang, Y. (2011). Exploring a web space for consumer health information: Implications for

design. *Proceedings of the 2011 iConference* (pp.811-812). February 8-11, 2011, Seattle, WA, 811-812.

Zhang, Y. (2011). Effects of tasks on users' perceptions of the content of a web-based IR system. *Proceedings of the 2011 iConference* (pp.813-814). February 8-11, 2011, Seattle, WA, 813-814.

Zhang, Y., Fan, X., & Mostafa, J. (2009). Evaluating automatic medical concepts association with human judgments. *The Fourth Annual iSchools Conference: iSociety: Research, Education, Engagement*. Chapel Hill, NC, February, 2009.

Lillie, S. E., Brewer, N. T., **Zhang, Y.**, & Sheridan, S. L. (2007). Tables or bar charts? Optimizing personal electronic health records. *Annals of Behavioral Medicine*, 33, S119. (Presented at the 2007 Annual Conference of the Society of Behavioral Medicine, Washington, DC.)

Wildemuth, B. M., Blake, C. L., Spurgin, K., Oh, S., & **Zhang, Y.** (2006). Patients' perspectives on personal health records: An assessment of needs and concerns. *Critical Issues in eHealth Research 2006*. Bethesda, MD, September, 2006.

Zhang, Y., & Wang, P. (2005). Measuring mental models: Rational and instruments. *Proceedings of the 68th ASIS&T Annual Meeting*. Charlotte, NC, October 28 - November 2.

PRESENTATIONS

Designing consumer health information systems: What do user-generated questions tell us? HCI International 2011 (July 14, 2011)

Consumer health informatics. Health Information Technology Workshop, School of Engineering, University of Texas at Austin (December 10th, 2010)

Contextualizing consumer health information searching: an analysis of questions in a social Q&A community. The 1st ACM International Health Informatics Symposium, Arlington, VA. (November, 2010)

The construction of mental models of information-rich web spaces: The development process and the impact of task complexity. College of Information Science and Technology, Drexel University (January, 2010)

Visiting human errors in interacting with IR system from decision making perspective. Doctoral Student Symposium, the University of North Carolina at Chapel Hill (October, 2008)

Recommendations for creating JAWS-accessible documents in Microsoft Word. IBM Lotus RTP design studio (August, 2008)

Usability issues of Lotus Symphony menu system and recommendations for redesign. Symphony UX design group, IBM Lotus RTP design studio (July, 2008)

Usability evaluation findings of Lotus Mashups. Mashups UX design group, IBM Lotus RTP design studio (June, 2008)

Usability evaluation findings of Lotus WebSphere portal. WebSphere portal UX design group, IBM Lotus RTP design studio (August, 2007)

GRANTS RECEIVED

(PI). Understanding the process of consumer health information searching. Funded by the School of Information Alumni Teaching Fellowship (August 2011 – August 2012).

(PI). Contextualizing consumer health information searching. Funded by the Office of the Vice President for Research at the University of Texas at Austin (October 2010 – August 2011) Total award: \$5,834.

(PI). Assessing user needs with an interactive computer game assisting autistic children in recognizing emotions from facial expressions. Funded by UT Austin-Portugal International Collaboratory Grant for Emerging Technologies (September 2010 – February 2012). Total award: \$65,589.

(Co-PI): LIFEisGAME: Learning of facial emotions using serious games. PI: Veronica Orvalho. Funded by the Portuguese Foundation for Science and Technology (September 2010 – February 2013). Total award: €249,933.

(PI). Characteristics of consumer health information needs and implications for system design. Funded by the Temple Teaching Fellowship from School of Information, the University of Texas at Austin. (August, 2010 – August 2011). Total award: \$6,000.

TEACHING

INF385T	Consumer Health Informatics	Spring, 2011	[4 students]
INF 385E	Information Architecture and Design	Fall, 2011 Fall, 2010 Spring, 2010	[17 students] [12 students]
INF 382C	Understanding and Serving Users	Fall, 2011 Spring, 2011 Fall, 2010 Spring, 2010 Fall, 2009	[32 students] [31 students] [15 students] [19 students]
INLS 200	Retrieving and Analyzing Information	Spring, 2009 Fall, 2008	[24 students] [31 students]

AWARDS & HONORS

Faculty Travel Grant, 2010, University of Texas at Austin

Finalist for the ASIST ProQuest Best Dissertation Award competition, 2010

IBM Thanks! Award for significant performance, 2007 & 2008, IBM

Runner up of the Special Interest Group on Information Needs, Seeking, and Use (SIG USE) Best Information Behavior Conference Paper Award, 2007, American Society for Information Science & Technology (ASIS&T) annual meeting

Lester Asheim Scholarship, 2006, University of North Carolina at Chapel Hill

Tung-Li and Hui-His Yuan Fellowship, 2005 & 2006, University of North Carolina at Chapel Hill

Margaret Ellen Kalp Fellowship, 2005, University of North Carolina at Chapel Hill

Travel Fund to 2004 ASIS&T Annual Meeting, 2004, University of Tennessee, Knoxville

Best project nomination for Derris Digital Image Collection, 2004, University of Tennessee, Knoxville

RenMin Scholarship, 1997 & 1999, Nanjing University

Excellent Thesis Award at "5.20 Research Paper Contest", 1998, Nanjing University

PROFESSIONAL SERVICES

Reviewer for

Journals

- Journal of Medical Systems, since 2011
- Communications of the ACM, since 2011
- Journal of the American Society for Information Science and Technology (JASIST), since 2010
- Library and Information Science Research, since 2010
- Journal of Information Science, since 2010
- Information Processing & Management (IP&M), since 2007

Conferences

- ASIST (American Society for Information Science and Technology) Annual Conference, 2010, 2011
- iConference (iSchools Conference), 2011
- CogSci (Cognitive Science Society) Annual Conference, 2011

Conference program committee

- ACM IHI (International Health Informatics) Symposium 2011

Committee services

- Research Environment Committee at the School, 2010-2011
- Academic Committee at UT-Austin, 2010
- International Relations Committee (IRC) for the ASIST, 2007-2009

Dissertation Committee

- Jennifer Richey. Texas High School Librarians' Perceived Roles as Sexual Health Information Providers: A Delphi Study. Status: Graduated. (Committee member)

Coordinator, NSF Biomedical Informatics Workshop: Expanding Secondary Use of Health Data, December 4-5, 2007, Portland, Oregon.

Volunteer for

- Evidence-Based Library and Information Practice (EBLIP), 4th International Conference: Transforming the Profession, May 6-11, 2007, Durham, NC.
- DigCCurr, an International Symposium in Digital Curation, April 18-20, 2007, Chapel Hill, NC.

Professional memberships:

- American Society for Information Science and Technology (ASIS&T), since 2004
- American Computing Machinery (ACM), since 2010
- American Medical Informatics Association (AMIA), 2007
- Triangle Usability Professionals Association, 2007-2009
- Association for Library and Information Science Education (ALISE), since 2008