

Dan Cosley

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Education

2006. Ph.D, Computer Science, University of Minnesota, Minneapolis, Minnesota.

- Dissertation topic: Helping Hands: Design for Member-Maintained Online Communities.
- Co-advisors: John Riedl, Loren Terveen.

1999. M.S., Computer Science, James Madison University, Harrisonburg, Virginia.

- Thesis: MaSH: Making Serendipity Happen.

1993. B.M.E., Music Education, The Ohio State University, Columbus, Ohio.

Positions Held

2008–(current). Assistant Professor, Information Science, Cornell University.

2006–2008. Visiting Assistant Professor, Communication, Cornell University.

2005. Instructor, University of Minnesota.

2000–2006. Research Assistant, University of Minnesota.

2001. Research Intern, NEC Research Institute, Princeton, New Jersey.

1998–2000. Instructor, James Madison University.

1996–1997. Graduate Assistant, James Madison University.

1997. Programmer, James Madison University.

1995–1996. Programmer Analyst, Progressive Medical, Inc., Columbus, Ohio.

Publications

Journal Articles

1. Yuan, Y. C., **Cosley, D.**, Ling, X., Welsch, T., Gay, G. (2009). The Diffusion of a Task Recommendation System to Facilitate Contributions to an Online Community. *JCMC*.
2. Ling, K., Beenen, G., Ludford, P., Wang, X., Chang, K., Li, X., **Cosley, D.**, Frankowski, D., Terveen, L., Rashid, A. M., Resnick, P., Kraut, R. (2005). Using social psychology to motivate contributions to online communities. *Journal of Computer-Mediated Communication*, 10(4).
3. Lattanzi, M., **Cosley, D.** (1999). Poser: An Online Reviewing Tool in Java. *CS Ed. J.*, Spring 1999.

Full Conference Papers

Conference acceptance rates are listed in parentheses, where known.

1. **Cosley, D.**, Baxter, J., Lee, S., Alson, B., Adams, P., Nomura, S., Sarabu, C., Gay, G. (2009). MobiTags: Supporting Semantic, Spatial, and Social Interaction in Museum Spaces. To appear, *CHI 2009*. (25%)
2. Leshed, G., Perez, D., Hancock, J. H., **Cosley, D.**, Birnholtz, J., Lee, S., McLeod, P. L., Gay, G. (2009). Visualizing real-time language-based feedback on teamwork behavior in computer-mediated groups. To appear, *CHI 2009*. (25%)
3. Crandall, D., **Cosley, D.**, Huttenlocher, D., Kleinberg, J., Suri, S. (2008). Feedback effects between similarity and social influence in online communities. *KDD 2008*. (10%)
4. **Cosley, D.**, Lewenstein, J., Herman, A., Holloway, J., Baxter, J., Nomura, S., Boehner, K., Gay, G. (2008). ArtLinks: Fostering Social Awareness and Reflection in Museums. *CHI 2008*. (22%)
5. **Cosley, D.**, Frankowski, D., Terveen, L., Riedl, J. (2007). SuggestBot: Using Intelligent Task Routing to Help People Find Work in Wikipedia. *IUI 2007*. (22%)
6. Sen, S., Lam, S. K., Rashid, A., **Cosley, D.**, Frankowski, D., Osterhouse, J., Harper, F. M., Riedl, J. (2006). tagging, communities, vocabulary, evolution. *CSCW 2006*. (22%, best paper award)
7. Frankowski, D., **Cosley, D.**, Sen, S., Terveen, L., Riedl, J. (2006). You Are What You Say: Privacy Risks of Public Mentions. *SIGIR 2006*. (19%)
8. **Cosley, D.**, Frankowski, D., Terveen, L., Riedl, J. (2006). Using Intelligent Task Routing and Con-tribution Review to Help Communities Build Artifacts of Lasting Value. *CHI 2006*. (24%)
9. **Cosley, D.**, Frankowski, D., Kiesler, S., Terveen, L., Riedl, J. (2005). How Oversight Improves Member-Maintained Communities. *CHI 2005*. Portland, OR. (25%)
10. Ludford, P., **Cosley, D.**, Frankowski, D., Terveen, L. (2004). Think Different: Increasing Online Community Participation Using Uniqueness and Group Dissimilarity. *CHI 2004*, pp. 631-638. (16%)
11. **Cosley, D.**, Lam, S. K., Albert, I., Konstan, J., Riedl, J. (2003). Is Seeing Believing? How Recommender Systems Influence Users. Opinions. *CHI 2003*, Fort Lauderdale, pp. 585-592. (16%)
12. **Cosley, D.**, Ludford, P., Terveen, L. (2003). Studying the Effect of Similarity in Online Task-Focused Interactions. *GROUP 2003*, Sanibel Island, FL, pp. 321-329. (35%)
13. Lam, S. K., Pennock, D. M., **Cosley, D.**, Lawrence, S. (2003). 1 Billion Pages = 1 Million Dollars? Mining the Web to Play "Who Wants to be a Millionaire?" *UAI 2003*, Acapulco, pp. 337-345. (33%)

14. **Cosley, D.**, Lawrence, S., Pennock, D. M. (2002). REFEREE: An open framework for practical testing of recommender systems using ResearchIndex. *VLDB 2002*, Hong Kong, pp. 35-46. (16%)
15. McNee, S., Albert, I., **Cosley, D.**, Gopalkrishnan, P., Lam, S. K., Rashid, A. M., Konstan, J., Riedl, J. (2002). On the Recommending of Citations for Research Papers. *CSCW2002*, pp. 116-125. (20%)
16. Goecks, J., **Cosley, D.** (2002). NuggetMine: Intelligent Groupware for Opportunistically Sharing Information Nuggets. *IUI 2002*, San Francisco, CA, pp. 106-113. (33%)
17. Rashid, A. M., Albert, I., **Cosley, D.**, Lam, S. K., McNee, S., Konstan, J.A., Riedl, J. (2002). Getting to Know You: Learning New User Preferences in Recommender Systems. *IUI 2002*, pp. 127-134. (33%)
18. O'Connor, M., **Cosley, D.**, Konstan, J. A., Riedl, J. (2001). PolyLens: A Recommender System for Groups of Users. *ECSCW 2001*, Bonn, Germany, pp. 199-218. (19%)

Short Conference Papers

1. Wang, H.-C., **Cosley, D.**, Fussell, S. R. (2010). Idea Expander: Supporting Group Brainstorming with Conversationally Triggered Visual Thinking Stimuli. *CSCW 2010*, Savannah, GA.
2. **Cosley, D.**, Akey, K., Alson, B., Baxter, J., Broomfield, M., Lee, S., Sarabu, C. (2009). Using Technologies to Support Reminiscence. *BCS HCI 2009*, Cambridge, UK.
3. Thom-Santelli, J., **Cosley, D.**, Gay, G. (2009). What's Mine is Mine: Territoriality in Collaborative Authoring. *CHI 2009*, Boston, MA. (25%)
4. Leshed, G., Hancock, J., **Cosley, D.**, McLeod, P., Gay G. (2007). Feedback for Guiding Reflection on Teamwork Practices. *GROUP 2007*, Sanibel Island, FL.
5. Shami, N. S., Yuan, Y. C., **Cosley, D.**, Xia, L., Gay, G. (2007). That's what friends are for: Facilitating "Who Knows What" Across Group Boundaries. *GROUP 2007*, Sanibel Island, FL.

Other Conference And Workshop Publications

1. **Cosley, D.** Schwanda, V., Peesapati, S. T., Schultz, J., Baxter, J. (2009). Experiences with a publicly deployed tool for reminiscing. *Reminiscence Systems Workshop 2009*, Cambridge, UK.
2. Yuan, Y. C., **Cosley, D.** Ling, X., Welser, T. (2009). The Diffusion of a Task Recommendation System to Facilitate Contributions to an Online Community. *International Communication Association*.
3. Welser, H. T., **Cosley, D.** Kossinets, G., Lin, A., Dokshin, F., Gay, G., Smith, M. (2008). Finding social roles in Wikipedia. *American Sociological Association*, Boston, MA.

4. Black, L. W., Welser, H. T., DeGroot, J. M., **Cosley, D.** (2008). ‘Wikipedia is not a democracy’: Deliberation and Policy-Making in an Online Community. *International Communication Association*, Montreal.
5. Nobarany, S., Haraty, M., **Cosley, D.** (2008). GePuTTIS: General Purpose Transitive Trust Inference System For Social Networks. *AAAI Social Information Processing Spring Symposium*.
6. Yuan, Y. C., **Cosley, D.**, Welser, H. (2007). The Impact of Network Relations on the Diffusion of SuggestBot in Wikipedia. *National Communication Association*, Chicago, IL.
7. **Cosley, D.** (2005). Mining Social Theory to Build Member Maintained Communities. In *Proceedings of Knowledge Contributions in Volunteer Communities 2005, AAAI Spring Symposium*.
8. **Cosley, D.** (2001). Using Online Tools to Enhance Classrooms: A Case Study with MaSH (Making Serendipity Happen). *WebNet 2001*, Orlando, Florida.

Posters, demos, etc.

1. Wang, H.-C., **Cosley, D.**, Fussell, S. (2010). Idea Expander: Agent-Augmented Online Brainstorming. Demo at *CSCW 2010*.
2. Thom-Santelli, J., **Cosley, D.**, Gay, G. (2008). It is My Baby: Expressing Territoriality in Wikipedia. Poster presented at *CSCW 2008*.
3. Goecks, J., **Cosley, D.**, Razieli, Z., Good, N., Pham, P. (2001). Discovering Design Principles of Everyday Computing Devices via a Case Study. Student Research Competition, *SIGCSE 2001*.

Awarded Grants

- 2009-2010.** NSF, HCC: LARGE: Design Principles for Information Networks Supporting The Social Production of Knowledge. (PIs Jon Kleinberg, Co-PIs Claire T. Cardie, Daniel R. Cosley, Geraldine K. Gay, Jeffrey T. Hancock, Daniel P. Huttenlocher, Lillian Lee, Luis van Ahn). Funded for \$2,631,903. I did a good bit of the writing.
- 2009.** NSF, REU supplement to CAREER. Funded for \$16,000.
- 2009.** Cornell Institute for Social Sciences, Supporting Communities of Memory and Reminiscence. Funded for \$6,000.
- 2009–2013.** NSF, CAREER: Leveraging Online Behavior to Support Knowledge and Memory. Funded for \$499,942.
- 2007–2010.** NSF, Solving critical problems in online groups. (PIs Robert Kraut, John Butler, John Riedl). Funded for \$749,026. I am a consultant and contributing author on this grant.
- 2007–2009.** Hatch Grant, Involving young people in building successful knowledge communities online. (PI Geri Gay, Co-Investigator Dan Cosley). Funded for \$32,000. I was a major contributing author.

2005–2008. NSF, Helping Hands: Computer Support for Community-Maintained Artifacts of Lasting Value. (PI John Riedl, co-PIs Joe Konstan and Jeffrey Kahn). Funded for \$620,000. This grant was based on my dissertation work and I was a major contributing author.

Invited Talks

- 2009.** *Museum technologies to support social experience and social cataloging.* Florida State Information Science.
- 2008.** *Computational Social Science with an HCI Accent.* Cornell University Communication and Information Science, University of Washington Technical Communication, Marquette University Computer Science, University of Pittsburgh Computer Science, Lehigh University Computer Science.
- 2007.** *Technology, Theory, Community, and Quality: a Talk In Two Acts.* Understanding Information Work in Large-Scale Social Content Creation Systems panel at ASIST.
- 2007.** *Studying and Encouraging Pro-social Behavior in Wikipedia.* HCI Seminar, U. Illinois.
- 2007.** *An HCI look at data collection pitfalls in online community field experiments.* Studying Interaction in Online Communities: From Data Sources to Research Results panel at C&T.
- 2007.** *Taming the Bear: field research in online communities.* New Data/Research Opportunities panel, Cornell Microsoft International Symposium on Self-Organizing Online Communities.
- 2006.** *Studying and Encouraging Pro-social Behavior in Wikipedia.* Information Science Colloquium, Cornell University.
- 2006.** *Helping hands: Design for member-maintained online communities.* Xerox PARC, Northeastern University College of Computer and Information Science, Drexel University.

Courses Taught

- 2009.** INFO/COMM 3450 (Human Computer Interaction), INFO 4307 (Learning from Web Data).
- 2008.** INFO/COMM 345 (HCI), INFO/COMM 4400/6400 (Advanced HCI).
- 2007.** INFO/COMM 345, INFO/COMM 440/640 (Advanced HCI).
- 2006.** INFO/COMM 440/640.
- 2005.** CSCI4061: Introduction to Operating Systems.
- 2000.** CS346: Software Design, CS345: Software Engineering, CS139: Algorithm Development.
- 1999.** CS346, CS139, CS138: Being Productive With Computers.
- 1998.** CS138.

Awards

- 2006.** Best Paper Award, CSCW 2006.
- 2006.** Excellence in Research Award, Computer Science Dept., University of Minnesota.
- 2005–2006.** Guidant Fellow, Computer Science Dept., University of Minnesota.
- 2003.** Excellence in Research Award, Computer Science Dept., University of Minnesota.
- 2000–2001.** Graduate School Fellow, University of Minnesota.

Professional Activities

External Service

- 2010. CSCW10, CHI10, IUI10, WWW10 program committees.
- 2009. UIST09 program committee; C&T doctoral consortium.
- 2008. RecSys08 program committee.
- 2007. RecSys07 program committee.
- 2006. AAI Program Committee.
- 2004. Recruiting Committee, Computer Science Department, University of Minnesota.
- 2002. Student Volunteer, CHI 2002.
- 2001–2002. Vice Chair, Computer Science Grad Student Association, University of Minnesota.
- 1999–2000. CS1/CS2 Curriculum Committee, James Madison University.
- 1999–2000. Freshman advisor (120 students/year), James Madison University.

Reviewing

- 2009. CHI, C&T, NSF, .
- 2008. CHI, CSCW, ISR, NSF, IEEE Pervasive, TWEB.
- 2007. CHI, Pervasive, IJHCS, ACII, ISR.
- 2006. CHI, AAI, CSCW, Information Systems Research.
- 2005. CHI, JAIR.
- 2004. CHI, CSCW.
- 2003. UIST, CHI, SIGSCE.
- 2002. IAAI, SIGIR.
- 2001. Hong Kong Research Grants Council.

Internal Service

- 2008–2010. Information Science colloquium coordinator.
- 2008–2010. Information Science graduate admissions committee.
- 2009–2010. Curriculum committee.

Memberships

- 2007–(current). ASIS&T.
- 1997–(current). ACM.
- 1997–1999. ACM Student Chapter, James Madison University.