

## Daniel R. Cosley

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(612) 327-6310, drc44@cornell.edu

### 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.  
- Research interests: collaborative systems, HCI, CSCW, online communities, recommender systems.
- 1999       **M.S., Computer Science**, James Madison University, Harrisonburg, Virginia.  
- Thesis: *MaSH: Making Serendipity Happen*.  
- Coursework emphasis: Software Engineering, Operating Systems
- 1993       **B.M.E., Music Education**, The Ohio State University, Columbus, Ohio.

### POSITIONS HELD

- 2006-       **Visiting Assistant Professor**, Cornell University.  
- Taught INFO/COMM 440/640 (Advanced Human Computer Interaction), INFO/COMM 345 (HCI)  
- Studied how users' behavior and social networks in online communities affect community outcomes.  
- Mentored graduate students in the HCI Group.
- 2005       **Instructor**, University of Minnesota.  
- Taught CSCI4061 (Introduction to Operating Systems).
- 2000-2006   **Research Assistant**, University of Minnesota.  
- Conducted research with a focus on collaborative systems, human-computer interaction, online communities, and recommender systems.  
- Guest lectured for graduate level HCI, interface design, UI toolkits, and software engineering courses.
- 2001       **Research Intern**, NEC Research Institute, Princeton, New Jersey.  
- Developed a framework for integrating recommender systems with CiteSeer and studying the effect of recommenders on users' behavior.
- 1998-2000   **Instructor**, James Madison University.  
- Taught CS346 (Software Design), CS345 (Software Engineering), CS139 (Algorithm Development), and CS138 (Being Productive with Computers).  
- Supervised undergraduates in game design independent study.  
- Acted as freshman advisor to about 120 incoming students.
- 1996-1997   **Graduate Assistant**, James Madison University.  
- Assisted in teaching Algorithm Development and Being Productive with Computers.  
- Helped with system administration and helped to develop departmental websites.
- 1997       **Programmer**, James Madison University.  
- Designed specialized search engines for the Humanitarian Demining Information Center.
- 1995-1996   **Programmer Analyst**, Progressive Medical, Inc., Columbus, Ohio.  
- Maintained and extended a custom COBOL database.  
- Provided hardware, software, network, and tech support for 20 people.

## PUBLICATIONS

### *Selective Publications*

1. **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*, to appear.
2. **Cosley, D.**, Frankowski, D., Terveen, L., & Riedl, J. (2007). SuggestBot: Using Intelligent Task Routing to Help People Find Work in Wikipedia. *IUI 2007*. (22% acceptance rate)
3. 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)
4. Frankowski, D., **Cosley, D.**, Sen, S., Terveen, L., & Riedl, J. (2006). You Are What You Say: Privacy Risks of Public Mentions. *SIGIR 2006*. (19%)
5. **Cosley, D.**, Frankowski, D., Terveen, L., & Riedl, J. (2006). Using Intelligent Task Routing and Contribution Review to Help Communities Build Artifacts of Lasting Value. *CHI 2006*. (24%)
6. **Cosley, D.**, Frankowski, D., Kiesler, S., Terveen, L., & Riedl, J. (2005). How Oversight Improves Member-Maintained Communities. *CHI 2005*. Portland, OR. (25%)
7. 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).
8. 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%)
9. **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%)
10. **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%)
11. 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%)
12. **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%)
13. 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%)
14. Goecks, J. & **Cosley, D.** (2002). NuggetMine: Intelligent Groupware for Opportunistically Sharing Information Nuggets. *IUI 2002*, San Francisco, CA, pp. 106-113. (33%)
15. 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. *IUI02*, pp. 127-134. (33%)
16. 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%)
17. Lattanzi, M. & **Cosley, D.** (1999). Poser: An Online Reviewing Tool in Java. *CS Ed. J.*, Spring 1999.

### *Other Refereed Publications*

18. Nobarany, S., Haraty, M., **Cosley D.** (2008). GePuTTIS: General Purpose Transitive Trust Inference System For Social Networks. *AAAI Social Information Processing Spring Symposium*, to appear.
19. 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.
20. Leshed, G., Hancock, J., **Cosley, D.**, McLeod, P., Gay G. (2007). Feedback for Guiding Reflection on Teamwork Practices. *GROUP 2007*, Sanibel Island, FL.
21. 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.
22. **Cosley, D.** (2005). Mining Social Theory to Build Member Maintained Communities. In *Proceedings of Knowledge Contributions in Volunteer Communities 2005*, AAAI 2005 Spring Symposium.
23. **Cosley, D.** (2001). Using Online Tools to Enhance Classrooms: A Case Study with MaSH (Making Serendipity Happen). *WebNet 2001*, Orlando, Florida.
24. 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*.

### **INVITED TALKS**

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|------|--|
| 2007 | “Computational Social Science with an HCI Accent”. Cornell University.   |
| 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”, College of Computer and Information Science, Northeastern University.  |

### **AWARDED GRANTS**

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|-----------|--|
| 2007-2010 | NSF, “Solving critical problems in online groups”. (PIs Robert Kraut, John Butler, John Riedl). To be funded for \$749,026. I am listed as a consultant on the grant because visiting positions at Cornell are not allowed to be PIs; I was a contributing author. |
| 2007-2009 | Hatch Grant, “Involving young people in building successful knowledge communities online”. (PI Geri Gay, Co-Investigator Dan Cosley). To be funded for \$32,000. I am the primary author of this grant.  |
| 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.        |

## COURSES TAUGHT

2007	INFO/COMM 345 (Human Computer Interaction), 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

### *Service*

2007	RecSys07 program committee
2006	AAAI 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*

2008	CHI
2007	CHI, Pervasive, IJHCS, ACII, ISR
2006	CHI, AAAI, CSCW, Information Systems Research
2005	CHI, JAIR
2004	CHI, CSCW
2003	UIST, CHI, SIGSCE
2002	IAAI, SIGIR
2001	Hong Kong Research Grants Council

### *Memberships*

2007-	ASIS&T
1997-	ACM
1997-1999	ACM Student Chapter, James Madison University

## REFERENCES

### **John Riedl**

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### **Robert Kraut**

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