Sanjay Kairam

PhD Candidate
Stanford University
Department of Computer Science

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Research Interests

Human-Computer Interaction, Social Computing, Information Visualization

My dissertation research examines online self-disclosure practices, with a focus on exploring *selective sharing*, in which users share with particular sub-groups of their connections.

Education

2016 (projected) **Stanford University**, Stanford, CA
PhD Candidate, Computer Science
Dissertation: Online Sharing at Scale
Advisor: Jeffrey Heer

2006 **Stanford University**, Stanford, CA
Master of Arts, Philosophy
Advisor: Marc Pauly

2006 **Stanford University**, Stanford, CA
Bachelor of Science, Mathematics [Minor in Symbolic Systems]

Research Experience

2010 -- **Stanford University**, Stanford, CA
Research Assistant, Human-Computer Interaction Group

2015 -- **Yahoo! Labs,** San Francisco, CA
Academic Contractor, HCI Research Group

2015 **Yahoo! Labs,** San Francisco, CA
Research Intern, HCI Research Group, with David Ayman Shamma and Jofish Kaye

2013 **Microsoft Research (MSR)**, Redmond, WA
Research Intern, with Nathalie Riche

2013 **Facebook,** Menlo Park, CA
Research Intern, Data Science, with Daniel Merl

2012 **Microsoft Research (MSR)**, Redmond, WA
Research Intern, with Susan Dumais, Meredith Ringel Morris, & Jaime Teevan

2011 **Google, Inc.**, Mountain View, CA
UX Research Intern, with Michael J. Brzozowski, Ed H. Chi, & David Huffaker

2008 - 2010 **Palo Alto Research Center (PARC)**, Palo Alto, CA
Research Assistant, with Peter Pirolli, Ed H. Chi, & Gregorio Convertino

2004 **Stanford University,** Stanford, CA
Research Assistant, STAR (Space, Time, & Action Research) Lab, with Barbara Tversky

Refereed Publications

Conference Papers

2016 **Kairam, S.**, Kaye, J., Guerra-Gómez, J.A., & Shamma, D.A. (2016): Snap Decisions? How Users, Content, and Aesthetics Interact to Shape Photo Sharing Behaviors. *CHI 2016: ACM Conference on Human Factors in Computing Systems.* [23% acceptance rate] ***To Appear***.

2016 **Kairam, S.** and Heer, J. (2016): Parting Crowds: Characterizing Divergent Interpretations in Crowdsourced Annotation Tasks. *CSCW 2016: ACM Conference on Computer-Supported Cooperative Work and Social Computing*. [25% acceptance rate] ***To Appear***.

2015 **Kairam, S.**, Riche, N.H., Drucker, S.M., Fernandez, R., & Heer, J. (2015): Refinery: Visual Exploration of Large, Heterogeneous Networks through Associative Browsing. *EuroVis 2015: Eurographics Conference on Visualization*. [32% acceptance rate]

2013 **Kairam, S.**, Morris M.R., Teevan, J., Liebling, D., & Dumais, S. (2013): Towards Supporting Search over Trending Events with Social Media. *ICWSM 2013: AAAI Conference on Weblogs and Social Media*. [21% acceptance rate]
Best Paper Honorable Mention

2012 **Kairam, S.**, MacLean, D., Savva, M., & Heer, J. (2012): GraphPrism: Compact Visualization of Network Structure. *AVI 2012: ACM Conference on Advanced Visual Interfaces*. [28% acceptance rate]

Kairam, S., Brzozowski, M., Huffaker, D., & Chi, E.H. (2012): Talking in Circles: Selective Sharing in Google+. *CHI 2012: ACM Conference on Human Factors in Computing Systems*. [23% acceptance rate]

Kairam, S., Wang, D.J., & Leskovec, J. (2012): The Life and Death of Online Groups: Predicting Group Growth and Longevity. *WSDM 2012: ACM Conference on Web Search and Data Mining*. [21% acceptance rate]

2010 Bernstein, M.S., Suh, B., Hong, L., Chen,J., **Kairam, S.**, & Chi, E.H. (2010: Eddi: Interactive Topic-Based Browsing of Social Status Streams. *UIST 2010: ACM Symposium on User Interface Software and Technology*. [18% acceptance rate]

Convertino, G., **Kairam, S.**, Hong, L., Suh, B., & Chi, E.H. (2010): Designing a Cross-Channel Information Management Tool for Workers in Enterprise Task Forces. *AVI 2010: ACM Conference on Advanced Visual Interfaces*. [20% acceptance rate]

Hong, L., Convertino, G., Suh, B., Chi, E.H., & **Kairam, S.** (2010): FeedWinnower: Layering Structures over Collections of Information Streams. *CHI 2010: ACM Conference on Human Factors in Computing Systems*. [22% acceptance rate]

Journal Articles

2013 Pirolli, P., & **Kairam, S.** (2013): A Knowledge Tracing Model of Learning from a Social Tagging System. *The Journal of User Modeling and User-Adapted Interaction (UMUAI) [Special Issue on Personalization in Social Web Systems], 23* (2-3): 139-168.
2013 James Chen Annual Award for Best UMUAI Paper

2010 Evans, B.M., **Kairam, S.**, & Pirolli, P. (2010): Do Your Friends Make You Smarter? An Analysis of Social Strategies in Online Information Seeking. *Information Processing & Management (IP&M), 46* (6): 679-692.

Posters, Panels, & Workshop Papers

2014 **Kairam, S**. (2014): Work in Progress: Degree-of-Interest Based Visual Exploration of Heterogeneous Networks. In *Proceedings of the Graduate Symposium of DIAGRAMS 2014*. (July 2014)

2012 Bernstein, M., Cosley, D., DiSalvo, C., **Kairam, S.**, Karger, D., Kriplean, T., Lampe, C., Mackay, W., Terveen, L., Wobbrock, J., & Yardi, S. (2012): Reject Me: Peer Review and SIGCHI. *CHI 2012 SIG* (May 2012)

2010 Bernstein, M., **Kairam, S.**, Suh, B., Hong, L., & Chi, E.H. (2010): A Torrent of Tweets: Managing Information Overload in Online Social Status Streams. *In Proceedings of the 2010 CHI Workshop on Microblogging: What and how can we learn from it?* (April 2010)

Convertino, G., **Kairam, S.**, Chi, E.H., Grasso, A., Pirolli, P., Stricker, T., & Bascaran, E. (2010): Designing for Learning Communities in a Large Enterprise. *Proceedings of the 2010 CSCW Workshop on Collective Intelligence.* (February 2010)

2009 Convertino, G., Stricker, T., **Kairam, S.**, Pirolli, P., Chi, E.H., Stricker, T., & Bascaran, E. (2009): Learning Communities in a Large Enterprise. *TEL-CoPs 2009: Proceedings of the 3rd International Workshop on Building Technology Enhanced Learning Solutions for Communities of Practice*. (September 2009)

Evans, B.M., **Kairam, S.**, & Pirolli, P. (2009): Exploring the Cognitive Consequences of Social Search. *Extended Abstracts of CHI 2009: Works-in-progress.* (May 2009)
2nd Place, CHI Student Research Competition

Awards

2013 ***Best Paper Honorable Mention***, *AAAI ICWSM 2013*
James Chen Best Paper Award, UMUAI 2013
Finalist, Facebook Fellowship
2012 ***Finalist, Facebook Fellowship***
2009 ***2nd Place, Student Research Competition***, ACM CHI 2009
2006 ***Stanford Asian-American Award for Performing Arts***

Service

Chair

2016 ACM CHI *Workshop Chair*

Program Committee

2015 AAAI ICWSM, ACM CHI *Works-in-Progress*
2014 ACM CHI *Works-in-Progress*
2013 AAAI ICWSM
2012 ACM CHI *Video Showcase*
2011 ACM CHI *Video Showcase*

Reviewer

2016 ACM CSCW
2015 ACM CHI, ACM CSCW, ACM UIST, IEEE InfoVis, EuroVis, PacificVis, IEEE TVCG
2014 ACM CSCW, ACM CHI, IEEE InfoVis, EuroVis, PacificVis, MobileHCI, ACM TOCHI
2013 ACM CSCW, AAAI ICWSM, ACM CHI *WIP*, ACM UIST, ACM UIST *Demos*

2012 IEEE InfoVis, ACM DIS, APCHI, IJCAI, ACM CHI *WIP*
2011 IJCAI, MobileHCI, ACM CHI *WIP*
2010 ACM CHI *WIP*

Leadership

2014-16 *Organizer*, Stanford HCI Group Lunch
2010-- *Editor*, CrowdResearch.org Blog (Follow the Crowd)
2009-10 *Organizer*, PARC Interdisciplinary Data Lunch
2009 *Event Coordinator*, Workshop on Technology-Mediated Social Participation

Invited Talks

GraphPrism: Compact Visualization of Large Networks
Stanford Conference on Computational Social Science (June 1, 2012)

Talking in Circles: Selective Sharing in Google+
Stanford Mobile & Social Workshop (April 4, 2012)
Google Bay Area PhD Summit (January 20, 2012)

Teaching

2014 **Introduction to HCI Design (CS 147)**, Stanford University
Head Teaching Assistant, for Professor Michael Bernstein

2011 **Data Visualization (CS 448B)**, Stanford University
Teaching Assistant, for Professor Jeffrey Heer

Industry Experience

2007 **Deloitte Consulting,** San Francisco, CA
Business Technology Analyst

2006 **Google, Inc.**, Mountain View, CA
Support Engineer & Process Analyst