Michael S. Bernstein

Assistant Professor, Computer Science
Stanford University

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353 Serra Mall #384, Stanford CA 94305

Education

Massachusetts Institute of Technology, Cambridge, MA 2012
Ph.D., Electrical Engineering and Computer Science
Thesis: *Crowd-Powered Systems*

Massachusetts Institute of Technology, Cambridge, MA 2008
Master of Science, Electrical Engineering and Computer Science

Stanford University, Stanford, CA 2006
Bachelor of Science with Honors and Distinction, Symbolic Systems

Research Interests

Human-computer interaction, crowdsourcing, social computing

Employment

Stanford University, Stanford, CA 1/13 – present
Assistant Professor, Computer Science Department
Robert N. Noyce Family Faculty Scholar

Facebook Data Science Team, Menlo Park, CA 7/12 – 12/12
Postdoctoral Researcher

MIT Computer Science and Artificial Intelligence Laboratory, Cambridge, MA 9/06 – 6/12
Research Assistant, Haystack and User Interface Design Groups

Microsoft Research, Cambridge, MA 11/11 – 6/12
Consulting Researcher

Microsoft Research, Redmond, WA 6/11 – 9/11
Research Intern, Adaptive Systems and Interaction (ASI) Group

Palo Alto Research Center (**PARC**), **Augmented Social Cognition Group,** Palo Alto, CA 6/09 – 8/09
Research Intern, Augmented Social Cognition Group

Microsoft Research, Redmond, WA 5/08 – 8/08
Research Intern, Visualization and Interaction for Business and Entertainment (VIBE) Group

Google, Inc., Mountain View, CA 6/06 – 9/06
User Interface Design Intern

Stanford University, HCI Group, Stanford, CA 6/05 – 9/05
Research Assistant

Palo Alto Research Center (**PARC**), **Human-Document Interaction Group,** Palo Alto, CA 6/04 – 9/04
Research Intern

7 **Studios**, Santa Monica, CA 6/03 – 9/03
Video Game Design Intern

Awards and Honors

2015 Best Paper Honorable Mention (5 paper awards), ACM CHI
2015 Best Paper Honorable Mention, ACM CSCW
2014 Kavli Fellow
2014 Best Paper Award, ACM UIST
2014 NSF CAREER award: Enabling expert crowdsourcing via coordination, targeted contribution and education
2013–present Robert N. Noyce Family Faculty Scholar
2013 Google Faculty Research Award
2013 Yahoo! Academic Career Enhancement Award
2013 Best Paper Honorable Mention, ACM CHI
2012 Best Paper Honorable Mention, ACM CHI
2012 Best Short Paper Honorable Mention, ACM CSCW
2012 George M. Sprowls Award for best doctoral thesis in Computer Science at MIT
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2011 Microsoft Research PhD Fellowship
2011 Best Paper, AAAI ICWSM
2010 Best Student Paper, ACM UIST
2009 Best Short Paper Honorable Mention, ACM CHI
2008 Xerox Graduate Fellowship
2007 National Science Foundation Graduate Research Fellowship
2006 Best Paper, ACM UIST
2006 Phi Beta Kappa, Stanford University
2006 Firestone Award for Excellence in Undergraduate Research, Stanford University
2003 Nomination, Boothe Prize for Excellence in Writing, Stanford University

Publications

The top-tier venues in human-computer interaction research are ACM CHI, UIST, and CSCW.

Conference Papers

[1] Salehi, N., Irani, L., Bernstein, M., Alkhatib, A., Ogbe, E., Milliland, K., and Clickhappier. We Are Dynamo: Overcoming Stalling and Friction in Collective Action for Crowd Workers. *CHI 2015: SIGCHI Conference on Human Factors in Computing Systems.* 23% acceptance rate. **Best Paper honorable mention.**

[2] Cheng, J., Teevan, J., Iqbal, S., and Bernstein, M. Break It Down: A Comparison of Macro- and Microtasks. *CHI 2015: SIGCHI Conference on Human Factors in Computing Systems.* 23% acceptance rate. **Best Paper honorable mention.**

[3] Cheng, J., Teevan, J., and **Bernstein, M.** Measuring Crowdsourcing Effort with Error-Time Curves. *CHI 2015: SIGCHI Conference on Human Factors in Computing Systems.* 23% acceptance rate. **Best Paper honorable mention.**

[4] Kim, J., Dontcheva, M., Li, W., **Bernstein, M.**, and Steinsapir, D. Motif: Supporting Novice Creativity through Expert Patterns. *CHI 2015: SIGCHI Conference on Human Factors in Computing Systems.* 23% acceptance rate. **Best Paper honorable mention.**

[5] Lasecki, W., Kim, J., Rafter, N., Sen, O., Bigham, J., and Bernstein, M. Apparition: Crowdsourced User Interfaces That Come To Life As You Sketch Them. *CHI 2015: SIGCHI Conference on Human Factors in Computing Systems.* 23% acceptance rate. **Best Paper honorable mention.**

[6] Kulkarni, C., Bernstein, M., and Klemmer, S. Rapid peer feedback in MOOCs emphasizes iteration and improves performance. *Learning@Scale 2015*. 24% acceptance rate.

[7] Kotturi, Y., Kulkarni, C., Bernstein, M., and Klemmer, S. Structure and messaging techniques for online peer learning systems that increase stickiness. *Learning@Scale 2015.* 24% acceptance rate.

[8] Cheng, J., and **Bernstein, M.** Flock: Hybrid Crowd-Machine Learning Classifiers. *CSCW 2015: ACM Conference on Computer-Supported Cooperative Work.* 28% acceptance rate. **Best Paper honorable mention.**

[9] Kulkarni, C., Cambre, J., Kotturi, Y., **Bernstein, M.**, and Klemmer, S. Making Distance Matter with Small Groups in Massive Classes. *CSCW 2015: ACM Conference on Computer-Supported Cooperative Work.* 28% acceptance rate.

[10] Retelny, D., Robaszkiewicz, S., To, A., Lasecki, W., Patel, J., Rahmati, N., Doshi, T., Valentine, M., and **Bernstein, M.** Expert Crowdsourcing with Flash Teams. *UIST 2014: ACM Symposium on User Interface Software and Technology.* 22% acceptance rate. **Best Paper award.**

[11] Verroios, V., and **Bernstein, M.** Context Trees: Crowdsourcing Global Understanding from Local Views. 2014. *HCOMP 2014: AAAI Conference on Human Computation and Crowdsourcing.* 32% acceptance rate.

[12] Demiralp, Ç., **Bernstein, M.**, and Heer, J. Learning Perceptual Kernels for Visualization Design. 2014. *InfoVis 2014: IEEE Transactions on Visualization and Computer Graphics.* 23% acceptance rate.

[13] Fast, E. Steffee, D., Wang, L., and **Bernstein, M.** Emergent, Crowd-scale Programming Practice in the IDE. 2014. *CHI 2014: SIGCHI Conference on Human Factors in Computing Systems.* 23% acceptance rate.

[14] Vaish, R., Wyngarden, K., Chen, J., Cheung, B., **Bernstein, M.** Twitch Crowdsourcing: Crowd Contributions in Short Bursts of Time. 2014. *CHI 2014: SIGCHI Conference on Human Factors in Computing Systems.* 23% acceptance rate.

[15] Deng, J., Russakovsky, O., Krause, J., **Bernstein, M.**, Berg, A., and Li Fei-Fei. Scalable Multi-label Annotation. 2014. *CHI 2014: SIGCHI Conference on Human Factors in Computing Systems.* 23% acceptance rate.

[16] Bakshy, E., Eckles, D., **Bernstein, M.** Advanced Internet Experimentation with PlanOut. 2014. *WWW 2014: International World Wide Web Conference.* 13% acceptance rate.

[17] Kulkarni, C., Socher, R., **Bernstein, M.**, Klemmer, S. Scaling Short-answer Grading by Combining Peer Assessment with Algorithmic Scoring. *Learning@Scale 2014*. 35% acceptance rate.

[18] Cheng, J., **Bernstein, M.** Catalyst: Triggering Collective Action with Thresholds. 2014. *CSCW 2014: ACM Conference on Computer-Supported Cooperative Work.* 27% acceptance rate.

[19] Kim, J., Cheng, J., **Bernstein, M.** Ensemble: Exploring Complementary Strengths of Leaders and Crowds in Creative Collaboration. 2014. *CSCW 2014: ACM Conference on Computer-Supported Cooperative Work.* 27% acceptance rate.

[20] Fast, E., Lee, C., Aiken, A., **Bernstein, M.**, Koller, D., and Smith, E. Crowd-scale Interactive Formal Reasoning and Analytics. 2013. *UIST 2013: ACM Symposium on User Interface Software and Technology.* 20% acceptance rate.

[21] **Bernstein, M.**, Bakshy, E., Burke, M., and Karrer, B. Quantifying the Invisible Audience in Social Networks. 2013. *CHI 2013: SIGCHI Conference on Human Factors in Computing Systems.* 20% acceptance rate. **Best Paper honorable mention.**

[22] Kokkalis, N., Koehn, T., Pfeiffer, C., Chornyi, D., **Bernstein, M.**, and Klemmer, S. EmailValet: Managing Email Overload through Private, Accountable Crowdsourcing. 2013. *CSCW 2013: ACM Conference on Computer-Supported Cooperative Work.* 39.5% acceptance rate after journal-style revise-and-resubmit process, which includes all papers eventually accepted after revision.

[23] Kittur, A., Nickerson, J., **Bernstein, M.**, Gerber, E., Shaw, A., Zimmerman, J., Lease, M., and Horton, J. The Future of Crowd Work. 2013. *CSCW 2013: ACM Conference on Computer-Supported Cooperative Work.* 39.5% acceptance rate after journal-style revise-and-resubmit process, which includes all papers eventually accepted after revision.

[24] **Bernstein, M.**, Teevan, J., Dumais, S., Liebling, D., and Horvitz, E. Direct Answers for Search Queries in the Long Tail. 2012. *CHI 2012: SIGCHI Conference on Human Factors in Computing Systems.* 23% acceptance rate.
Best Paper honorable mention.

[25] **Bernstein, M.**, Karger, D.R., Miller, R.C., and Brandt, J. Analytic Methods for Optimizing Realtime Crowdsourcing. 2012. *CI 2012: Collective Intelligence.* 17% acceptance rate for oral presentation.

[26] André, P., **Bernstein, M.**, and Luther, K. 2012. Who Gives A Tweet? Evaluating Microblog Content Value. *CSCW 2012: ACM Conference on Computer-Supported Cooperative Work.* 9% acceptance rate for top-tier submissions.
Best Short Paper honorable mention.

[27] **Bernstein, M.**, Brandt, J., Miller, R.C., and Karger, D.R. 2011. Crowds in Two Seconds: Enabling Realtime Crowd-Powered Interfaces. *UIST 2011: ACM Symposium on User Interface Software and Technology.* 25% acceptance rate.

[28] Xiao, X., **Bernstein, M.**, Yao, L., Lakatos, D., Gust, L., Acquah, K., Ishii, H. 2011. PingPong++: Community Customization in Games and Entertainment. *ACE 2011: ACM Conference on Advances in Computer Entertainment Technology*. 26% acceptance rate.

[29] **Bernstein, M.**, Monroy-Hernandez, A., Harry, D., André, P., Panovich, K., and Vargas, G. 2011. 4chan and /b/: An Analysis of Anonymity and Ephemerality in a Large Online Community. *ICWSM 2011: AAAI Conference on Weblogs and Social Media.* 11% acceptance rate for oral presentation.
Best Paper award.

[30] Marcus, A., **Bernstein, M.**, Badar, O., Karger, D.R., Madden, S., and Miller, R.C. 2011. TwitInfo: Aggregating and Visualizing Microblogs for Event Exploration. *CHI 2011: SIGCHI Conference on Human Factors in Computing Systems*. 26% acceptance rate.

[31] **Bernstein, M.**, Miller, R.C., Little, G., Ackerman, M., Hartmann, B., Karger, D.R., Crowell, D., and Panovich, K. 2010. Soylent: A Word Processor with a Crowd Inside. *UIST 2010: ACM Symposium on User Interface Software and Technology*. 18% acceptance rate.
Best Student Paper award.

[32] **Bernstein, M.**, Suh, B., Hong, L., Chen, J., Kairam, S., and 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.

[33] **Bernstein, M.**, Marcus, A., Karger, D.R., and Miller, R.C. 2010. Enhancing Directed Content Sharing on the Web. *CHI 2010: SIGCHI Conference on Human Factors in Computing Systems*. 22% acceptance rate.

[34] Chen, J., Nairn, R., Nelson, L., **Bernstein, M.**, and Chi. E.H. Short and Tweet: Experiments on Recommending Content from Information Streams. *CHI 2010: SIGCHI Conference on Human Factors in Computing Systems*.
22% acceptance rate.

[35] **Bernstein, M.**, Tan, D., Smith, G., Czerwinski, M., and Horvitz, E. 2009. Collabio: A Game for Annotating People within Social Networks. *UIST 2009: ACM Symposium on User Interface Software and Technology*. 17% acceptance rate.

[36] Van Kleek, M., **Bernstein, M.**, Panovich, K., Vargas, G., Karger, D.R., and schraefel, mc. 2009. Note to Self: Examining Personal Information Keeping in a Lightweight Notekeeping Tool. *CHI 2009: SIGCHI Conference on Human Factors in Computing Systems.* 25% acceptance rate.
Best Short Paper honorable mention.

[37] **Bernstein, M.**, Sharger, J., and Winograd, T. 2008. Taskposé: Exploring Fluid Boundaries in a Task-Based Window Manager. *UIST 2008: ACM Symposium on User Interface Software and Technology.* 20.0% acceptance rate.

[38] Miller, R.C., Chou, V., **Bernstein, M.**, Little, G., Van Kleek, M., Karger, D., and schraefel, mc. 2008. Inky: A Sloppy Command Line for the Web with Rich Visual Feedback. *UIST 2008: ACM Symposium on User Interface Software and Technology.* 20% acceptance rate.

[39] Van Kleek, M., **Bernstein, M.**, Karger, D.R., and schraefel, mc. 2007. GUI — Phooey!: The Case for Text Input. In *Proceedings of UIST 2007: ACM Symposium on User Interface Software and Technology.* 17% acceptance rate.

[40] Hartmann, B., Klemmer, S.R., **Bernstein, M.**, Abdulla, L., Burr, B., Robinson-Mosher, A., Gee, J. 2006. Reflective physical prototyping through integrated design, test, and analysis. In *Proceedings of UIST 2006: ACM Symposium on User Interface Software and Technology.* 23% acceptance rate.
Best Paper award.

Journal Articles

[41] **Bernstein, M.**, Tan, D., Smith, G., Czerwinski, M., and Horvitz, E. Personalization via Friendsourcing. 2010. *ACM Transactions on Computer-Human Interaction (TOCHI), 17(2).*

[42] **Bernstein, M.**, Van Kleek, M., Karger, D.R., and schraefel, mc. 2008. Information Scraps: How and Why Information Eludes our Personal Information Management Tools. *ACM Transactions on Information Systems (TOIS)*, *26(4).*

Books

[43] Malone, T., and **Bernstein, M.,** Editors. 2015. *The Collective Intelligence Handbook.* MIT Press.

Book Chapters

[44] Bigham, J., **Bernstein, M.**, and Adar, E. Human-Computer Interaction and Collective Intelligence. In Malone, T. and Bernstein, M., Editors. *Collective Intelligence Handbook*. MIT Press, 2015.

[45] Little, G., Miller, R.C., Chou, V., **Bernstein, M.**, Lau, T., Cypher, A. Sloppy Programming. In Cypher, A., Dontheva, M., Lau, T., and Nichols, J., Editors. *No Code Required: Giving Users Tools to Transform the Web*. Burlington: Morgan Kaufmann, 2010.

Videos, alt.chi, Posters, Demonstrations (Peer Reviewed)

[46] Embiricos, A., Rahmati, N., Zhu, N., and **Bernstein, M**. Structured handoffs in expert crowdsourcing improve communication and work output. 2014. In *UIST 2014*.

[47] Retelny, D., Robaszkiewicz, S., To, A., **Bernstein, M.** Expert Crowdsourcing with Flash Teams. 2013. In *CrowdConf 2013*.

[48] Marcus, A., **Bernstein, M.**, Badar, O., Karger. D.R., Madden, S., Miller, R.C. 2011. Tweets as Data: Demonstration of TweeQL and TwitInfo. In *SIGMOD 2011 Demos*.

[49] **Bernstein, M.**, Ackerman, M.A., Chi, E.H., and Miller, R.C. The Trouble with Social Computing Systems Research. 2011. In *alt.chi 2011: Extended Abstracts of CHI 2011.*

[50] **Bernstein, M.**, André, P., Luther. K., Poole, E., Solovey, E., Paul, S., Kane, S., and Grudin, J. CHIstory. 2009. In *CHI 2009: SIGCHI Conference on Human Factors in Computing Systems*. Most Entertaining Video award.

[51] **Bernstein, M.**, Van Kleek, M., schraefel, mc, and Karger, D.R. 2007. Management of Personal Information Scraps. 2007. In *Extended Abstracts of CHI 2007: Work-in-progress.* People's Choice award.
[52] **Bernstein, M.**, Robinson-Mosher, A., Yeh, R.B., Klemmer, S.R. 2006. Diamond's Edge: From Notebook to Table and Back Again. In *Conference Supplement to Ubicomp 2006: Posters*.
[53] Hartmann, B., Klemmer, S.R., **Bernstein, M.**, and Mehta, N. 2005. *d.tools: Visually Prototyping Physical UIs through Statecharts. In Conference Supplement to UIST 2005*: *Demonstrations*. Seattle, WA, October 2005.

Magazine Articles
[54] Marcus, A., **Bernstein, M.**, Badar, O., Karger, D.R., Madden, S., and Miller, R.C. Processing and Visualizing the Data in Tweets. *SIGMOD Record 40,* 4 (2012).
[55] **Bernstein, M.** Doing work, or Doing Work? *Communications of the ACM* 53, 8 (Aug. 2010), 8-9.

Workshop Papers
[56] **Bernstein, M.**, Kairam, S., Suh, B., Hong, L., and Chi, E.H. 2010. A Torrent of Tweets: Managing Information Overload in Online Social Streams. In *Proceedings of the 2010 CHI Workshop on Microblogging: What and How Can We Learn from It?*
[57] André, P., schraefel, mc, **Bernstein, M.**, Dix. A., Luther, K., and White, R. Designing for Schadenfreude (or, how to express well-being and see if you're boring people). In *Proceedings of the 2010 CHI Workshop on Microblogging: What and How Can We Learn from It?*
[58] Suh, B., Hong, L., Convertino, G., Chi, E.H., and **Bernstein, M.** Sensemaking with Tweeting. In *Proceedings of the 2010 CHI Workshop on Microblogging: What and How Can We Learn from It?*
[59] **Bernstein, M.**, Marcus, A., Karger, D.R., and Miller, R.C. 2010. Who am I? Two-four-six-oh-one! In *Proceedings of the 2010 CSCW Workshop on Revisiting Research Ethics in the Facebook Era.*
[60] **Bernstein, M.**, Van Kleek, M., schraefel, mc, and Karger, D.R. 2008. Evolution and Evaluation of an Information Scrap Manager. In *Proceedings of PIM 2008: CHI 2008 Workshop on Personal Information Management.*
[61] Van Kleek, M., **Bernstein, M.**, André, P., Pertunnen, M., Karger, D.R., schraefel, mc. 2008. Simplifying knowledge creation and access for end users on the SW. In *Proceedings of the SWUI 2008: CHI 2008 Workshop on Semantic Web User Interfaces*.
[62] **Bernstein, M.**, Van Kleek, M., Karger, D.R., and schraefel, mc. 2007. Personal Information Retrieval and the Problem of Information Scraps. In *Proceedings of HCIR 2007: Workshop on Human-Computer Interaction and Information Retrieval.*
[63] **Bernstein, M.**, Van Kleek, M., Karger, D.R., and schraefel, mc. 2007. Information Scraps: Eluding our Personal Information Management Tools. In *Proc. CSW 2007: CSAIL Student Workshop*.

Panelist
[64] Micro-volunteering: helping the helpers in development. In *Proceedings of CSCW 2013*.
[65] Hunting for fail whales: lessons from deviance and failure in social computing. In *Proceedings of CHI 2012.*
[66] RepliCHI – CHI should be replicating and validating results more: discuss. 2011. In *Proceedings of CHI 2011.*

Exhibitions
[67] Streaming crowd data from PingPong++ [28] embedded in:
Dublon, G., Pardue, L., Mayton, B., Swartz, N., Hurst, P., Joliat, N., and Paradiso, J. 2011. DoppelLab. Ars Electronica.

Service

Program Committee

2016 ACM CHI program committee
2015 ACM UIST program committee
2014 ACM UIST program committee
ACM CSCW program committee
2013 ACM WWW program committee
AAAI HCOMP program committee
AAAI ICWSM program committee
2012 AAAI HCOMP program committee
AAAI ICWSM program committee
ACM UIST program committee
2011 AAAI ICWSM program committee

Stanford

2015 Learning Forum conference co-chair

2014 Online learning ad-hoc committee
2013-present Symbolic Systems steering committee
Computer Science PhD admissions
Stanford Center for the Study of Language and Information advisory board

Chair

2012 ACM CHI videos chair, Technical Program
COLLECTIVE INTELLIGENCE proceedings chair
CHI workshop on Rapidly Iterating Ideas in Crowdsourcing and Human Computation
2011 ACM CHI videos chair, Technical Program
CHI workshop on Crowdsourcing and Human Computation
2010 AAAI UIST student volunteer chair
AAAI ICWSM program committee
2007 General Chair, First Workshop on Human Computer Interaction and Information Retrieval (HCIR)

Magazine/Blog Editor

2012 IEEE Computing, special issue on crowdsourcing
2011–present CrowdResearch.org blog
2010–2011 ACM XRDS magazine (formally Crossroads)

Reviewing

CHI 2007 – 2014, UIST 2008 – 2014, CSCW 2009 – 2015, IUI 2012, UBICOMP 2012, ISWC 2009, ITS 2012.

Organizations

Founding Organizer, CrowdResearch.org. 2011 – present.
Founding Organizer, BostonCHI Labs research consortium. 2009 – 2012.
Organizer, MIT CSAIL Human-Computer Interaction Speaker Seminar. 2006 – 2010.
Founding Organizer, MIT Human-Computer Interaction Reading Group. 2006 – 2010.
DARPA ISAT Future Ideas Symposium. 2010.
Invited blogger, ACM Communications of the ACM Blog. 2009 – 2010.

Invited Talks

[1] *A Meeting of Minds — Expert Crowdsourcing*
UC Berkeley BiD Seminar. Berkeley, CA, March 31 2015.
University of Toronto. Toronto, Ontario, Canada, March 27 2015.
University of Waterloo. Waterloo, Canada, March 26 2015.
UCI Informatics Seminar Series. Irvine, CA, January 16 2015.
Stanford Liberation Technology Seminar. Stanford, CA, January 15 2015.
Technion. Haifa, Israel, December 22 2014.
Accenture Distinguished Lecture Series. San Jose, CA, December 12 2014.
HCOMP Workshop on Crowdsourcing, Online Education, and MOOCs. Pittsburgh, PA, November 2 2014.
Google, Mountain View, CA, July 28 2014.
Foundation Capital, Menlo Park, CA, June 30 2014.
oDesk, Menlo Park, CA, June 12 2014.
Stanford Computational Science Conference, Stanford, CA, April 11 2014.

[2] *Collective Intelligence*
Kavli Frontiers of Science, Irvine, CA, November 17 2014.

[3] *Crowd-Powered Systems*
Vanguard [next], San Francisco, CA, December 10 2013.
NIPS crowdsourcing workshop, Lake Tahoe, NV, December 9 2013.
KredibleNet Workshop, Stanford, CA, October 18 2013.
Drexel University, Philadelphia, PA, August 20 2013.
Keynote at WebScience SoHuman workshop, Paris, France, May 1 2013.
Twitter, San Francisco, CA, April 25 2013.
Stanford Computer Forum, Stanford, CA, April 16 2013.
Symbolic Systems Forum, Stanford, CA, January 14 2013.

MediaX, Stanford, CA, January 8 2013.
Institute for the Future, Palo Alto, CA, November 7 2012.
CrowdConf, San Francisco, CA, October 23 2012.
University of Illinois at Urbana-Champaign, Urbana, IL, October 16 2012.
Stanford CS 300 Seminar, Stanford, CA, October 3 2012.

[4] *Crowd-Powered Systems — Job Talk*
Facebook Data Science, Menlo Park, CA, April 2 2012.
Microsoft Research, Redmond, WA, March 29 2012.
Michigan School of Information, Ann Arbor, MI, March 26 2012.
Michigan Computer Science and Engineering, Ann Arbor, MI, March 22 2012.
Carnegie Mellon Univeristy, Pittsburgh, PA, March 19 2012.
UC San Diego Computer Science and Engineering, La Jolla, CA, March 16 2012.
UC San Diego Cognitive Science, La Jolla, CA, March 14 2012.
Brown University, Providence, RI, March 8 2012.
Stanford University, Stanford, CA, March 5 2012.
Google Research, Mountain View, CA, March 2 2012.
University of Washington Computer Science and Engineering, Seattle, WA, February 28 2012.
Princeton University, Princeton, NJ, February 22 2012.
University of Washington Information School, Seattle, WA, February 16 2012.
UC Berkeley, Berkeley, CA, February 7 2012.
UC Los Angeles, Los Angeles, CA, February 2 2012.
Columbia University, New York, NY, January 30 2012.

[5] *Crowd-Powered Systems*
Emory University, Atlanta, GA, January 27 2012.
Georgia Institute of Technology, Atlanta, GA, January 26 2012.
Microsoft Research New England, Cambridge, MA, January 20 2012.
Tufts University, Cambridge, MA, January 19 2012.
IBM Research, Cambridge, MA, May 24 2011.

[6] *Crowd-Powered Interfaces*
Carnegie Mellon University, Pittsburgh, PA, March 1 2011.
IBM Research, Haifa, Israel, December 29 2010.

[7] *Soylent: A Word Processor with a Crowd Inside*
Cyberlaw: Difficult Issues with Jonathan Zittrain, Harvard University, Cambridge MA, Sept 27 2010.

[8] *Data for the people, by the people*
HarambeeNet 2010, Durham, NC, July 9 2010.

[9] *Crowd-Powered Interfaces*
DARPA ISAT, Washington D.C., June 24 2010.

[10] *Personalization via Friendsourcing*
IBM Research Almaden, CA, July 22 2009.

[11] *Information Scraps: Understanding and Design*
University of Washington, Seattle, WA, June 11 2008.

Selected Press

[1] Amazon's Mechanical Turk workers protest: 'I am a human being, not an algorithm'. The Guardian. December 2014.
http://www.theguardian.com/technology/2014/dec/03/amazon-mechanical-turk-workers-protest-jeff-bezos

[2] Amazon’s Turkers Kick Off the First Crowdsourced Labor Guild. The Daily Beast. December 2014.
http://www.thedailybeast.com/articles/2014/12/03/amazon-s-turkers-kick-off-the-first-crowdsourced-labor-guild.html

[3] Amazon's Mechanical Turk workers want to be treated like humans. Engadget. December 2014.
http://www.engadget.com/2014/12/03/amazon-mechanical-turk-workers-ask-for-respect/?ncid=rss_truncated

[4] The Next Frontier in Crowdsourcing: Your Smartphone. MIT Technology Review. March 2014.
http://www.technologyreview.com/news/525481/the-next-frontier-in-crowdsourcing-your-smartphone/

[5] Service sorts messy email inbox into tidy to-do list. ABC 7 KGO-TV News, San Francisco, March 2013.
http://abclocal.go.com/kgo/story?section=news/technology&id=9015834

[6] More Search Could Be Crowdsourced. PCWorld, May 2012.
http://www.pcworld.com/article/255171/acm_chi_more_search_could_be_crowdsourced.html

[7] What Makes a Great Tweet. Harvard Business Review, May 2012.

[8] The Worst Kinds Of Tweets: STUDY. Huffington Post, April 2012.
http://www.huffingtonpost.com/2012/04/18/the-worst-kinds-of-tweets_n_1434727.html?ref=technology
[9] Newsflash: Two-Thirds of Tweets Boring, Says Study. Time, February 2012.
http://techland.time.com/2012/02/02/newsflash-two-thirds-of-tweets-boring-says-study/
[10] Only About a Third of Tweets Are Worth Reading [STUDY]. Mashable, February 2012.
http://mashable.com/2012/02/01/third-of-tweets-worth-reading/
[11] Be Better at Twitter: The Definitive, Data-Driven Guide. The Atlantic, January 2012.
http://www.theatlantic.com/technology/archive/12/01/be-better-at-twitter-the-definitive-datadriven-guide/252273/
[12] 4chanonomics. Slate, June 2011.
http://www.slate.com/id/2297492
[13] 4 Online Services to Satisfy Your Vanity. CNN, January 2011.
http://edition.cnn.com/2011/TECH/social.media/01/12/vanity.netiquette/
[14] Are Your Tweets Boring Or Beneficial? Mashable, December 2010.
http://mashable.com/2010/12/30/who-gives-a-tweet/
[15] MIT Researchers Build A 'Hot Or Not' for Twitter. TechCrunch, December 2010.
http://techcrunch.com/2010/12/30/who-gives-a-tweet/
[16] It's People! Meet Soylent, the Crowdsourced Copy Editor. Harvard Nieman Journalism Lab, November 2010.
http://www.niemanlab.org/2010/11/its-people-meet-soylent-the-crowdsourced-copy-editor/
[17] Adding Human Intelligence to Software. Technology Review, October 2010.
http://www.technologyreview.com/computing/26535/
[18] Soylent: A Word Processor with a Crowd Inside. Wired, September 2010.
http://www.wired.com/beyond_the_beyond/2010/09/soylent-a-word-processor-with-a-crowd-inside/
[19] Palo Alto Researchers Create Tool for Dealing with Twitter's "Information Overload". ReadWriteWeb, April 2010.
http://www.readwriteweb.com/archives/palo_alto_researchers_create_tool_for_dealing_with_twitter_information_overload.php
[20] Eddi Organizes All the Crap On Twitter Into Neat Piles. Fast Company, April 2010.
http://www.fastcompany.com/1629462/parc-researchers-make-tweets-easier-to-browse
[21] What's in a Tweet? Technology Review, April 2010.
http://www.technologyreview.com/web/25189/
[22] list.it: Post-It Notes for the Twitter Generation. New York Times, February 2010.
http://www.nytimes.com/external/readwriteweb/2010/02/02
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http://www.techcrunch.com/2008/08/22/microsoft-uses-facebook-to-conduct-research-with-collabio/

Teaching

[1] Winter 2015
CS247: Human-Computer Interaction Design Studio (redesigned). ~130 students.
[2] Spring 2014
CS376: Research Topics in Human-Computer Interaction. 60 students.
[3] Winter 2014
CS147: Introduction to Human-Computer Interaction Design. 260 students.
[4] Spring 2013
CS376: Research Topics in Human-Computer Interaction. 58 students.
[5] Winter 2013
CS247: Human-Computer Interaction Design Studio (with Jeff Heer). 79 students.

Students and Postdocs

Current

[1] Chinmay Kulkarni (co-advised with Scott Klemmer)
[2] Ethan Fast
[3] Daniela Retelny (co-advised with Melissa Valentine)
[4] Geza Kovacs
[5] Joy Kim
[6] Justin Cheng (co-advised with Jure Leskovec)
[7] Nicolas Kokkalis
[8] Niloufar Salehi

Stanford CS Ph.D. Rotation Students

[1] Fall 2014: Kesler Tanner, Ali Alkhatib
[2] Spring 2014: Minjae Kim
[3] Winter 2014: Geza Kovacs, Niloufar Salehi
[4] Spring 2013: Vasilis Verroios
[5] Winter 2013: Justin Cheng, Will McGrath, Jon Bassen, Joy Kim, Ethan Fast

Masters student researchers

[1] Winter 2015: Sarah Sterman, Onkur Sen, Alexandra To, Negar Rahmati
[2] Fall 2014: Sarah Sterman, Onkur Sen, Alexandra To, Negar Rahmati
[3] Summer 2014: Alexandra To, Negar Rahmati
[4] Spring 2014: Negar Rahmati, Jay Patel
[5] Winter 2014: Negar Rahmati, Deniz Kahramaner, Jingshu Chen, Jay Patel, Julie Fortuna
[6] Fall 2013: Negar Rahmati, Deniz Kahramaner, Jingshu Chen
[7] Spring 2013: Brandon Cheung, Sebástien Robaszkiewicz

Undergraduate researchers

[1] Winter 2015: Kenji Hata, Sherman Leung, Margaret Shen, Jocelyn Hickcox, Allegra Cohen, Tulsee Doshi, Jare Fagbemi, Kylie Jue, Ishita Prasad, Kartik Sawhney
[2] Fall 2014: Margaret Shen, Jocelyn Hickcox, Stephen Yang, Stephany Yong, Allegra Cohen, Tulsee Doshi, Jare Fagbemi
[3] Summer 2014: Maggie Goulder, Pranav Rajpurkar, Eva Ogbe, Courtney Noh, Margaret Shen, Jocelyn Hickcox, Jay Moon, Kylie Jue, Danae Metaxa-Kakavouli
[4] Spring 2014: Alexandra To, Julia Cambre, Keith Wyngarden
[5] Winter 2014: Keith Wyngarden, Alexandra To, Julia Cambre, Tulsee Doshi, Lucas Throckmurton
[6] Fall 2013: Keith Wyngarden, Alexandra To, Julia Cambre
[7] Summer 2013: Keith Wyngarden, Lucas Throckmurton, Jimmy Lee, Lucy Wang, Daniel Steffee, Ryan Voldstad, Alexandra To, Julia Cambre

Undergraduate honors theses

[1] 2014: Alexandra To, Symbolic Systems. Foundry: an authoring environment for expert crowd teams.