Stanford



Michael Bernstein

Professor of Computer Science and Senior Fellow at the Stanford Institute for Human-Centered AI

Bio

BIO

Michael Bernstein is a Professor of Computer Science at Stanford University, where he is a Bass University Fellow and Senior Fellow at the Stanford Institute for Human-Centered Artificial Intelligence. A nationally bestselling author, Michael focuses on designing social, societal, and interactive technologies. This research has been reported in venues such as The New York Times, TED AI, and MIT Technology Review, and Michael himself has been recognized with an Alfred P. Sloan Fellowship and the Computer History Museum's Tech for Humanity Prize. Michael holds a bachelor's degree in Symbolic Systems from Stanford University, as well as a master's degree and a Ph.D. in Computer Science from MIT.

ACADEMIC APPOINTMENTS

- Professor, Computer Science
- Senior Fellow, Institute for Human-Centered Artificial Intelligence (HAI)
- Member, Bio-X

HONORS AND AWARDS

- National Bestseller, Flash Teams (MIT Press), USA TODAY (10/15/2025)
- Bass University Fellow, Stanford University
- Patrick J. McGovern Tech for Humanity Prize, Computer History Museum
- Lasting Impact Award, UIST
- CASBS Fellow, Center for Advanced Study in the Behavioral Sciences
- Teaching Honor Roll, Tau Beta Pi
- Sloan Research Fellowship, Sloan Foundation
- NSF CAREER award, National Science Foundation
- Outstanding Academic Title, "Handbook of Collective Intelligence", American Library Association, Choice
- George M. Sprowls Award for best doctoral thesis in Computer Science, MIT

PROGRAM AFFILIATIONS

- Symbolic Systems Program

PROFESSIONAL EDUCATION

- PhD, MIT , Computer Science (2012)
- SM, MIT , Computer Science (2008)

- BS, Stanford University , Symbolic Systems (2006)

LINKS

- Personal web site: http://hci.stanford.edu/msb/
- Google Scholar: https://scholar.google.com/citations?user=zkhHirIAAAAJ&hl=en
- Stanford online human-computer interaction certificate: https://online.stanford.edu/programs/human-computer-interaction-graduate-certificate

Teaching

COURSES

2026-27

- Human-Computer Interaction Seminar: CS 547 (Aut, Win, Spr)
- Human-Computer Interaction: Foundations and Frontiers: CS 347 (Aut)
- Simulating Humans and Societies: CS 222, PSYCH 186 (Win)
- Social Computing: CS 278, SOC 174, SOC 274 (Spr)

2024-25

- Computer Science Research: CS 197 (Aut)
- Human-Computer Interaction Seminar: CS 547 (Aut, Win, Spr)
- Human-Computer Interaction: Foundations and Frontiers: CS 347 (Win)
- Social Computing: CS 278, SOC 174, SOC 274 (Spr)

2023-24

- Computer Science Research: CS 197 (Aut)
- Human-Computer Interaction Seminar: CS 547 (Aut, Win, Spr)
- Social Computing: CS 278 (Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Anka Reuel

Orals Evaluator

Anka Reuel

Doctoral Dissertation Co-Advisor (AC)

Beleicia Bullock

Master's Program Advisor

Summer Flowers, Nicole Garcia, Fiona Han, Kavita Kar, Imogen Lee, Bennie Nkwantabisa, Evy Shen, Chloe Shim, Emma Su, Matthew Wirtz, Hannah Yu

Doctoral (Program)

Catherine Mullings, Lindsay Popowski, Omar Shaikh, Jordan Troutman, Dora Zhao, Carolyn Zou

Publications

PUBLICATIONS

- **Social Media Feed Elicitation**
  Popowski, L., Wu, X., Zhu, X., Piccardi, T., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2026

- **Value Alignment of Social Media Ranking Algorithms**
  Jahanbakhsh, F., Zhao, D., Piccardi, T., Robertson, Z., Epstein, Z., Koyejo, S., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2026

- **Reranking partisan animosity in algorithmic social media feeds alters affective polarization.** *Science (New York, N.Y.)*
  Piccardi, T., Saveski, M., Jia, C., Hancock, J., Tsai, J. L., Bernstein, M. S.
  2025; 390 (6776): eadu5584

- **Burst: Collaborative Curation in Connected Social Media Communities** *PROCEEDINGS OF THE ACM ON HUMAN COMPUTER INTERACTION*
  Zhang, Y., Kang, T., Yeh, S., Baddepudi, A., Popowski, L., Piccardi, T., Bernstein, M. S.
  2025; 9 (7)

- **Forging an HCI Research Agenda with Artists Impacted by Generative AI**
  Jiang, H. H., Agnew, W., Friedlander, T., Yang, Z., Fox, S. E., Bernstein, M. S., Passananti, J., Ogata, M., Ortiz, K., ACM
  ASSOC COMPUTING MACHINERY.2025

- **Refractor: Steerable Live Clustering for Speaker-Audience Understanding**
  Sahoo, P., Lam, M. S., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2025

- **Creating General User Models from Computer Use**
  Shaikh, O., Sapkota, S., Rizvi, S., Horvitz, E., Park, J., Yang, D., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2025

- **Knoll: Creating a Knowledge Ecosystem for Large Language Models**
  Zhao, D., Yang, D., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2025

- **Position: LLM Social Simulations Are a Promising Research Method**
  Anthis, J. R., Liu, R., Richardson, S. M., Kozlowski, A. C., Koch, B., Brynjolfsson, E., Evans, J., Bernstein, M. S.
  edited by Singh, A., Fazel, M., Hsu, D., Lacoste-Julien, S., Berkenkamp, F., Maharaj, T., Wagstaff, K., Zhu, J.
  JMLR-JOURNAL MACHINE LEARNING RESEARCH.2025: 81005-81034

- **More than Marketing? On the Information Value of AI Benchmarks for Practitioners**
  Hardy, A., Reuel, A., Meimandi, K., Soder, L., Griffith, A., Asmar, D. M., Koyejo, S., Bernstein, M. S., Kochenderfer, M., ACM
  ASSOC COMPUTING MACHINERY.2025: 1032-1047

- **Human Subjects Research in the Age of Generative AI: Opportunities and Challenges of Applying LLM-Simulated Data to HCI Studies**
  Hwang, A., Bernstein, M. S., Sundar, S., Zhang, R., Ribeiro, M., Lu, Y., Chang, S., Wu, T., Yang, A., Williams, D., Park, J., Ognyanova, K., Xiao, et al
  ASSOC COMPUTING MACHINERY.2025

- **Chillbot: Content Moderation in the Backchannel** *PROCEEDINGS OF THE ACM ON HUMAN COMPUTER INTERACTION*
  Seering, J., Khadka, M., Haghighi, N., Yang, T., Xi, Z., Bernstein, M.
  2024; 8 (CSCW2)

- **Constructing a Classification Scheme-and its Consequences A Field Study of Learning to Label Data for Computer Vision in a Hospital Intensive Care Unit** *PROCEEDINGS OF THE ACM ON HUMAN COMPUTER INTERACTION*
  Valentine, M. A., Bohn, R. E., Pratt, A. L., Jain, P., Singer, S. J., Bernstein, M. S.
  2024; 8 (CSCW2)

- **The Algorithm and the Org Chart: How Algorithms Can Conflict with Organizational Structures** *PROCEEDINGS OF THE ACM ON HUMAN COMPUTER INTERACTION*
  Valentine, M. A., Pratt, A. L., Hinds, R., Bernstein, M. S.
  2024; 8 (CSCW2)
- **Commit: Online Groups with Participation Commitments** *PROCEEDINGS OF THE ACM ON HUMAN COMPUTER INTERACTION*
  Popowski, L., Zhang, Y., Bernstein, M.
  2024; 8 (CSCW2)
- **Internal Fractures: The Competing Logics of Social Media Platforms** *SOCIAL MEDIA + SOCIETY*
  Christin, A., Bernstein, M. S., Hancock, J. T., Jia, C., Mado, M. N., Tsai, J. L., Xu, C.
  2024; 10 (3)
- **Clarify: Improving Model Robustness With Natural Language Corrections**
  Lee, Y., Lam, M. S., Vasconcelos, H., Bernstein, M. S., Finn, C., ACM
  ASSOC COMPUTING MACHINERY.2024
- **Concept Induction: Analyzing Unstructured Text with High-Level Concepts Using LLooM**
  Lam, M. S., Teoh, J., Landay, J. A., Heer, J., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2024
- **Rehearsal: Simulating Conflict to Teach Conflict Resolution**
  Shaikh, O., Chai, V., Gelfand, M. J., Yang, D., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2024
- **Social and moral psychology of COVID-19 across 69 countries.** *Scientific data*
  Azevedo, F., Pavlović, T., Rêgo, G. G., Ay, F. C., Gjoneska, B., Etienne, T. W., Ross, R. M., Schönegger, P., Riaño-Moreno, J. C., Cichocka, A., Capraro, V., Cian, L., Longoni, et al
  2023; 10 (1): 272
- **COVID-19 non-pharmaceutical interventions: data annotation for rapidly changing local policy information.** *Scientific data*
  Hurt, B., Hoque, O. B., Mokrzycki, F., Mathew, A., Xue, M., Gabitsinashvili, L., Mokrzycki, H., Fischer, R., Telesca, N., Xue, L. A., Ritchie, J., Zamfirescu-Pereira, J. D., Bernstein, et al
  2023; 10 (1): 126
- **On Second Thought, Let's Not Think Step by Step! Bias and Toxicity in Zero-Shot Reasoning**
  Shaikh, O., Zhang, H., Held, W., Bernstein, M., Yang, D.
  edited by Rogers, A., Boyd-Graber, J., Okazaki, N.
  ASSOC COMPUTATIONAL LINGUISTICS-ACL.2023: 4454-4470
- **Breaking Out of the Ivory Tower: A Large-scale Analysis of Patent Citations to HCI Research**
  Cao, H., Lu, Y., Deng, Y., McFarland, D. A., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2023
- **Model Sketching: Centering Concepts in Early-Stage Machine Learning Model Design**
  Lam, M. S., Ma, Z., Li, A., Freitas, I., Wang, D., Landay, J. A., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2023
- **Architecting Novel Interactions With Generative AI Models**
  Bernstein, M. S., Park, J., Morris, M., Amershi, S., Chilton, L., Gordon, M. L., ACM
  ASSOC COMPUTING MACHINERY.2023
- **Socially situated artificial intelligence enables learning from human interaction.** *Proceedings of the National Academy of Sciences of the United States of America*
  Krishna, R., Lee, D., Fei-Fei, L., Bernstein, M. S.
  2022; 119 (39): e2115730119
- **Social Simulacra: Creating Populated Prototypes for Social Computing Systems**
  Park, J., Popowski, L., Cai, C. J., Morris, M., Liang, P., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2022

- **Jury Learning: Integrating Dissenting Voices into Machine Learning Models**
  Gordon, M. L., Lam, M. S., Park, J., Patel, K., Hancock, J. T., Hashimoto, T., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2022
- **Ethics and society review: Ethics reflection as a precondition to research funding.** *Proceedings of the National Academy of Sciences of the United States of America*
  Bernstein, M. S., Levi, M., Magnus, D., Rajala, B. A., Satz, D., Waeiss, C.
  1800; 118 (52)
- **Understanding the Representation and Representativeness of Age in AI Data Sets**
  Park, J., Bernstein, M. S., Brewer, R. N., Kamar, E., Morris, M., ASSOC COMP MACHINERY
  ASSOC COMPUTING MACHINERY.2021: 834-842
- **Scene Graph Prediction with Limited Labels.** *Proceedings. IEEE International Conference on Computer Vision*
  Chen, V. S., Varma, P. n., Krishna, R. n., Bernstein, M. n., Ré, C. n., Fei-Fei, L. n.
  2020; 2019: 2580–90
- **Street-Level Algorithms: A Theory at the Gaps Between Policy and Decisions**
  Alkhatib, A., Bernstein, M., Assoc Comp Machinery
  ASSOC COMPUTING MACHINERY.2019
- **Eevee: Transforming Images by Bridging High-level Goals and Low-level Edit Operations**
  Lam, M. S., Young, G. B., Xu, C. Y., Krishna, R., Bernstein, M. S., Assoc Comp Machinery
  ASSOC COMPUTING MACHINERY.2019
- **HYPE: A Benchmark for Human eYe Perceptual Evaluation of Generative Models**
  Zhou, S., Gordon, M. L., Krishna, R., Narcomey, A., Li Fei-Fei, Bernstein, M. S.
  edited by Wallach, H., Larochelle, H., Beygelzimer, A., d'Alche-Buc, F., Fox, E., Garnett, R.
  NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2019
- **Scene Graph Prediction with Limited Labels**
  Chen, V. S., Varma, P., Krishna, R., Bernstein, M., Re, C., Fei-Fei, L., IEEE
  IEEE COMPUTER SOC.2019: 1772–82
- **Visual Relationships as Functions: Enabling Few-Shot Scene Graph Prediction**
  Dornadula, A., Narcomey, A., Krishna, R., Bernstein, M., Li Fei-Fei, IEEE
  IEEE COMPUTER SOC.2019: 1730–39
- **Information Maximizing Visual Question Generation**
  Krishna, R., Bernstein, M., Li Fei-Fei, IEEE Comp Soc
  IEEE COMPUTER SOC.2019: 2008–18
- **Conservation of Procrastination: Do Productivity Interventions Save Time or Just Redistribute It?**
  Kovacs, G., Gregory, D., Ma, Z., Wu, Z., Emami, G., Ray, J., Bernstein, M. S., Assoc Comp Machinery
  ASSOC COMPUTING MACHINERY.2019
- **Ink: Increasing Worker Agency to Reduce Friction in Hiring Crowd Workers** *ACM TRANSACTIONS ON COMPUTER-HUMAN INTERACTION*
  Salehi, N., Bernstein, M. S.
  2018; 25 (2)
- **Mosaic: Designing Online Creative Communities for Sharing Works-in-Progress** *DESIGN THINKING RESEARCH: MAKING DISTINCTIONS: COLLABORATION VERSUS COOPERATION*
  Kim, J., Agrawala, M., Bernstein, M. S.
  edited by Plattner, H., Meinel, C., Leifer, L.
  2018: 105–29
- **In Search of the Dream Team: Temporally Constrained Multi-Armed Bandits for Identifying Effective Team Structures**
  Zhou, S., Valentine, M., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2018

- **Iris: A Conversational Agent for Complex Tasks**
  Fast, E., Chen, B., Mendelsohn, J., Bassen, J., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2018

- **Referring Relationships**
  Krishna, R., Chami, I., Bernstein, M., Li Fei-Fei, IEEE
  IEEE.2018: 6867–76

- **Shared Autonomy for an Interactive AI System**
  Zhou, S., Mu, T., Goel, K., Bernstein, M., Brunskill, E., ACM
  ASSOC COMPUTING MACHINERY.2018: 20–22

- **Engagement Learning: Expanding Visual Knowledge by Engaging Online Participants**
  Krishna, R., Lee, D., Li, F., Bernstein, M., ACM
  ASSOC COMPUTING MACHINERY.2018: 87–89

- **Mechanical Novel: Crowdsourcing Complex Work Through Reflection and Revision** *DESIGN THINKING RESEARCH: MAKING DISTINCTIONS: COLLABORATION VERSUS COOPERATION*
  Kim, J., Sterman, S., Cohen, A., Bernstein, M. S.
  edited by Plattner, H., Meinel, C., Leifer, L.
  2018: 79–104

- **Visual Genome: Connecting Language and Vision Using Crowdsourced Dense Image Annotations** *INTERNATIONAL JOURNAL OF COMPUTER VISION*
  Krishna, R., Zhu, Y., Groth, O., Johnson, J., Hata, K., Kravitz, J., Chen, S., Kalantidis, Y., Li, L., Shamma, D. A., Bernstein, M. S., Li Fei-Fei, F. F.
  2017; 123 (1): 32-73

- **Anyone Can Become a Troll** *AMERICAN SCIENTIST*
  Cheng, J., Danescu-Niculescu-Mizil, C., Leskovec, J., Bernstein, M.
  2017; 105 (3): 152–55

- **MyriadHub: Efficiently Scaling Personalized Email Conversations with Valet Crowdsourcing**
  Kokkalis, N., Fan, C., Roith, J., Bernstein, M. S., Klemmer, S., ACM
  ASSOC COMPUTING MACHINERY.2017: 73–84

- **Examining Crowd Work and Gig Work Through The Historical Lens of Piecework**
  Alkhatib, A., Bernstein, M. S., Levi, M., ACM
  ASSOC COMPUTING MACHINERY.2017: 4599–4616

- **The Daemo Crowdsourcing Marketplace**
  Gaikwad, S. S., Whiting, M. E., Gamage, D., Mullings, C. A., Majeti, D., Goyal, S., Gilbee, A., Chhibber, N., Ginzberg, A., Richmond-Fuller, A., Matin, S., Sehgal, V., Sarma, et al
  ASSOC COMPUTING MACHINERY.2017: 1-4

- **Crowd Guilds: Worker-led Reputation and Feedback on Crowdsourcing Platforms**
  Whiting, M. E., Gamage, D., Gaikwad, S. S., Gilbee, A., Goyal, S., Ballav, A., Majeti, D., Chhibber, N., Richmond-Fuller, A., Vargus, F., Sarma, T., Chandrakanthan, V., Moura, et al
  ASSOC COMPUTING MACHINERY.2017: 1902-1913

- **Founder Center: Enabling Access to Collective Social Capital**
  Kokkalis, N., Fan, C., Breier, T., Bernstein, M. S., Assoc Comp Machinery
  ASSOC COMPUTING MACHINERY.2017: 2010-2022

- **Crowd Research: Open and Scalable University Laboratories**
  Vaish, R., Gaikwad, S. S., Kovacs, G., Veit, A., Krishna, R., Ibarra, I., Simoiu, C., Wilber, M., Belongie, S., Goel, S., Davis, J., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2017: 829-843

- **Mechanical Novel: Crowdsourcing Complex Work through Reflection and Revision**
  Kim, J., Sterman, S., Cohen, A., Bernstein, M. S., Assoc Comp Machinery
  ASSOC COMPUTING MACHINERY.2017: 233–45

- **Mosaic: Designing Online Creative Communities for Sharing Works-in-Progress**
  Kim, J., Agrawala, M., Bernstein, M. S., Assoc Comp Machinery
  ASSOC COMPUTING MACHINERY.2017: 246–58

- **A Glimpse Far into the Future: Understanding Long-term Crowd Worker Quality**
  Hata, K., Krishna, R., Fei-Fei, L., Bernstein, M. S., Assoc Comp Machinery
  ASSOC COMPUTING MACHINERY.2017: 889–901

- **Anyone Can Become a Troll: Causes of Trolling Behavior in Online Discussions**
  Cheng, J., Bernstein, M., Danescu-Niculescu-Mizil, C., Leskovec, J., Assoc Comp Machinery
  ASSOC COMPUTING MACHINERY.2017: 1217–30

- **Examining Crowd Work and Gig Work Through The Historical Lens of Piecework**
  Alkhatib, A., Bernstein, M. S., Levi, M., ACM
  ASSOC COMPUTING MACHINERY.2017: 4599–4616

- **Visual7W: Grounded Question Answering in Images**
  Zhu, Y., Groth, O., Bernstein, M., Li Fei-Fei, IEEE
  IEEE.2016: 4995–5004

- **Talkabout: Making Distance Matter with Small Groups in Massive Classes** *DESIGN THINKING RESEARCH: MAKING DESIGN THINKING FOUNDATIONAL*
  Kulkarni, C., Cambre, J., Kotturi, Y., Bernstein, M. S., Klemmer, S.
  edited by Plattner, H., Meinel, C., Leifer, L.
  2016: 67-92

- **Meta: Enabling Programming Languages to Learn from the Crowd**
  Fast, E., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2016: 259-270

- **Boomerang: Rebounding the Consequences of Reputation Feedback on Crowdsourcing Platforms**
  Gaikwad, S. S., Morina, D., Ginzberg, A., Mullings, C., Goyal, S., Gamage, D., Diemert, C., Burton, M., Zhou, S., Whiting, M., Ziulkoski, K., Ballav, A., Gilbee, et al
  ASSOC COMPUTING MACHINERY.2016: 625-637

- **Augur: Mining Human Behaviors from Fiction to Power Interactive Systems**
  Fast, E., McGrath, W., Rajpurkar, P., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2016: 237-247

- **Pay It Backward: Per-Task Payments on Crowdsourcing Platforms Reduce Productivity**
  Ikeda, K., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2016: 4111-4121

- **Empath: Understanding Topic Signals in Large-Scale Text**
  Fast, E., Chen, B., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2016: 4647-4657

- **Designing Scalable and Sustainable Peer Interactions Online** *DESIGN THINKING RESEARCH: TAKING BREAKTHROUGH INNOVATION HOME*
  Kulkarni, C., Kotturi, Y., Bernstein, M. S., Klemmer, S.
  edited by Plattner, H., Meinel, C., Leifer, L.
  2016: 237-273

- **Atelier: Repurposing Expert Crowdsourcing Tasks as Micro-internships**
  Suzuki, R., Salehi, N., Lam, M. S., Marroquin, J. C., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2016: 2645–56

- **Visual Relationship Detection with Language Priors**
  Lu, C., Krishna, R., Bernstein, M., Li Fei-Fei
  edited by Leibe, B., Matas, J., Sebe, N., Welling, M.

SPRINGER INTERNATIONAL PUBLISHING AG.2016: 852-869

- **Embracing Error to Enable Rapid Crowdsourcing**
  Krishna, R., Hata, K., Chen, S., Kravitz, J., Shamma, D. A., Li Fei-Fei, Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2016: 3167-3179
- **ImageNet Large Scale Visual Recognition Challenge** *INTERNATIONAL JOURNAL OF COMPUTER VISION*
  Russakovsky, O., Deng, J., Su, H., Krause, J., Satheesh, S., Ma, S., Huang, Z., Karpathy, A., Khosla, A., Bernstein, M., Berg, A. C., Fei-fei, L.
  2015; 115 (3): 211-252
- **Soylent: A Word Processor with a Crowd Inside** *COMMUNICATIONS OF THE ACM*
  Bernstein, M. S., Little, G., Miller, R. C., Hartmann, B., Ackerman, M. S., Karger, D. R., Crowell, D., Panovich, K.
  2015; 58 (8): 85-94
- **Image Retrieval using Scene Graphs**
  Johnson, J., Krishna, R., Stark, M., Li, L., Shamma, D. A., Bernstein, M. S., Li Fei-Fei, IEEE
  IEEE.2015: 3668–78
- **Human-Computer Interaction and Collective Intelligence** *HANDBOOK OF COLLECTIVE INTELLIGENCE*
  Bigham, J. P., Bernstein, M. S., Adar, E.
  edited by Malone, T. W., Bernstein, M. S.
  2015: 57-83
- **Flock: Hybrid Crowd-Machine Learning Classifiers**
  Cheng, J., Bernstein, M. S., ACM
  ASSOC COMPUTING MACHINERY.2015: 600-611
- **Talkabout: Making Distance Matter with Small Groups in Massive Classes**
  Kulkarni, C., Cambre, J., Kotturi, Y., Bernstein, M. S., Klemmer, S., ACM
  ASSOC COMPUTING MACHINERY.2015: 1116-1128
- **Handbook of Collective Intelligence Introduction** *HANDBOOK OF COLLECTIVE INTELLIGENCE*
  Malone, T. W., Bernstein, M. S.
  edited by Malone, T. W., Bernstein, M. S.
  2015: 1-13
- **Measuring Crowdsourcing Effort with Error-Time Curves**
  Cheng, J., Teevan, J., Bernstein, M. S., Assoc Comp Machinery
  ASSOC COMPUTING MACHINERY.2015: 1365-1374
- **We Are Dynamo: Overcoming Stalling and Friction in Collective Action for Crowd Workers**
  Salehi, N., Irani, L. C., Bernstein, M. S., Alkhatib, A., Ogbe, E., Milland, K., Clickhappier, Assoc Comp Machinery
  ASSOC COMPUTING MACHINERY.2015: 1621-1630
- **Break It Down: A Comparison of Macro- and Microtasks**
  Cheng, J., Teevan, J., Iqbal, S. T., Bernstein, M. S., Assoc Comp Machinery
  ASSOC COMPUTING MACHINERY.2015: 4061-4064
- **Motif: Supporting Novice Creativity through Expert Patterns**
  Kim, J., Dontcheva, M., Li, W., Bernstein, M. S., Steinsapir, D., Assoc Comp Machinery
  ASSOC COMPUTING MACHINERY.2015: 1211–20
- **Learning Perceptual Kernels for Visualization Design** *IEEE TRANSACTIONS ON VISUALIZATION AND COMPUTER GRAPHICS*
  Demiralp, C., Bernstein, M. S., Heer, J.
  2014; 20 (12): 1933-1942
- **Catalyst: Triggering Collective Action with Thresholds**
  Cheng, J., Bernstein, M.
  2014

- **Designing and Deploying Online Field Experiments**
  Bakshy, E., Eckles, D., Bernstein, M. S., Assoc Comp Machinery
  ASSOC COMPUTING MACHINERY.2014: 283-292
- **Ensemble: Exploring Complementary Strengths of Leaders and Crowds in Creative Collaboration**
  Kim, J., Cheng, J., Bernstein, M.
  2014
- **Crowd-Powered Systems** *KUNSTLICHE INTELLIGENZ*
  Bernstein, M. S.
  2013; 27 (1): 69-73
- **Quantifying the Invisible Audience in Social Networks**
  Bernstein, Michael, S., Bakshy, E., Burke, M., Karrer, B.
  2013
- **EmailValet: Managing Email Overload through Private, Accountable Crowdsourcing**
  Kokkalis, N., Köhn, T., Pfeiffer, C., Chornyi, D., Bernstein, Michael, S., Klemmer, Scott, R.
  2013
- **Crowd-scale Interactive Formal Reasoning and Analytics**
  Fast, E., Lee, C., Aiken, A., Bernstein, M., Koller, D., Smith, E.
  2013
- **The Future of Crowd Work**
  Kittur, A., Nickerson, Jeffrey, V., Bernstein, Michael, S., Gerber, Elizabeth, M., Shaw, A., Zimmerman, J.
  2013
- **Leveraging Online Populations for Crowdsourcing** *IEEE INTERNET COMPUTING*
  Chi, E. H., Bernstein, M. S.
  2012; 16 (5): 10-12
- **Who Gives A Tweet? Evaluating Microblog Content Value**
  Andre, P., Bernstein, M., Luther, K.
  2012
- **Direct Answers for Search Queries in the Long Tail**
  Bernstein, M., Teevan, J., Dumais, S., Liebling, D., Horvitz, E.
  2012
- **Analytic Methods for Optimizing Realtime Crowdsourcing** *CI: Collective Intelligence 2012*
  Bernstein, M., Karger, D., Miller, R., Brandt, J.
  2012
- **The Trouble with Social Computing Systems Research**
  Bernstein, M., Ackerman, M., Chi, Ed, H., Miller, R.
  2011
- **Crowds in Two Seconds: Enabling Realtime Crowd-Powered Interfaces**
  Bernstein, M., Brandt, J., Miller, R., Karger, D.
  2011
- **PingPong++: Community Customization in Games and Entertainment**
  Xiao, X., Bernstein, M., Yao, L., Lakatos, D., Gust, L., Acquah, K.
  2011
- **TwitInfo: Aggregating and Visualizing Microblogs for Event Exploration**
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