

# Gary Hsieh

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**University of Washington**  
Human Centered Design & Engineering  
414 Sieg Building, Campus Box 352315  
Seattle, WA 98195

## APPOINTMENTS

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### University of Washington

2017 – Associate Professor of Human Centered Design & Engineering  
Associate Professor of Computer Science & Engineering (Adjunct)

2013 – 2017 Assistant Professor of Human Centered Design & Engineering  
Assistant Professor of Computer Science & Engineering (Adjunct)

### Michigan State University

2010 – 2013 Assistant Professor of Communication  
Assistant Professor of Telecommunication, Information Studies, & Media  
Assistant Professor of Computer Science and Engineering (Adjunct)

## RESEARCH INTERESTS

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Human-computer interaction, social computing, computer-mediated communication, incentives and motivation, behavior change, prosocial computing

## EDUCATION

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### Carnegie Mellon University

2010 Ph.D. in Human-Computer Interaction  
Applying Market Mechanisms to Support Interpersonal Information Exchange  
Committee: Scott Hudson (co-chair), Robert Kraut (co-chair), Roberto Weber & Laura Dabbish

### University of California at Berkeley

2003 B.S. in Electrical Engineering and Computer Science  
Minor: Business Administration

## HONORS & AWARDS

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Fulbright Scholar (2019– 2020)  
UW's Engineering Faculty Appreciation for Career Education & Training (FACET) Award (2019)  
Human Centered Design & Engineering Faculty Innovator – Junior Award (2016)  
National Science Foundation Early Career Development Award (2013-2018)  
Best Paper Award: ACM CHI (2021, 2019), ACM CSCW (2016), Academy of Management Annual Meeting Best Paper Proceedings (2007)

Best Paper Award Honorable Mention: ACM CUI (2021), ACM CSCW (2017), ACM DIS (2017), ACM CHI (2012, 2011),

PEER-REVIEWED PUBLICATIONS IN ARCHIVAL CONFERENCE PROCEEDINGS

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46. Razaq, L., Kolko, B., Hsieh, G. (2022). Making Crafting Visible While Rendering Labor Invisible on the Etsy Platform. In *Proceedings of the ACM Conference on Designing Interactive Systems (DIS)*.
45. Kocielnik, R., Langevin, R., George, J.S., Akenaga, S., Wang, A., Jones, D.P., Argyle, A., Fockele, C., Anderson, L., Hsieh, D.T., Yadav, K., Duber, H., Hsieh G., & Hartzler, A.L. (2021). Can I Talk to You about Your Social Needs? Predicting Preference for Conversational User Interface in Health. In *Proceedings of Conversational User Interfaces (CUI)*. (\*Best paper honorable mention: top 2% of papers)
44. Langevin, R., Lordon, R., Avrahami, T., Cowan, B., Hirsch, T., Hsieh, G. (2021). Heuristic Evaluation of Conversational Agents. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*. (\*Best paper award: top 1% of papers)
43. Mallari, K., Williams, S., Hsieh, G. (2021). Understanding Analytics Needs of Video Game Streamers. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*. (Acceptance rate: 26%)
42. August, T., Card, D., Hsieh, G., Smith, N. A., & Reinecke, K. (2020) Explain like I am a Scientist: The Linguistic Barriers of Entry to r/science. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*. (Acceptance rate: 24%)
41. Kocielnik, R., Agapie, E., Argyle, A., Hsieh, D. T., Yadav, K., Taira, B., & Hsieh, G. (2019). HarborBot: A Chatbot for Social Needs Screening. In *AMIA Annual Symposium Proceedings* (Vol. 2019, p. 552). American Medical Informatics Association.
40. Colusso, L., Jones, R., Munson, S., & Hsieh, G. (2019). A Translational Science Model for HCI. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*. (\*Best paper award: top 1% of papers)
39. Jones, R., Colusso, L., Reinecke, K., & Hsieh, G. (2019). r/science: Challenges and Opportunities for Online Science Communication. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*. (Acceptance rate: 24%)
38. Kocielnik, R., Xiao, L., Avrahami, D., Hsieh, G. (2018). Reflection Companion: A Conversational System for Engaging Users in Reflection on Physical Activity. In *Proceedings of ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT); (UBICOMP)*.
37. Colusso, L., Do, T.N., Hsieh, G. (2018). Behavior Change Design Sprints. In *Proceedings of the ACM Conference on Designing Interactive Systems (DIS)*. (Acceptance rate: 23%)
36. Kocielnik, R., Avrahami, D., Marlow, J., Lu, D., Hsieh, G. (2018). Designing for Workplace Reflection: A Chat and Voice-Based Conversational Agent. In *Proceedings of the ACM Conference on Designing Interactive Systems (DIS)*. (Acceptance rate: 23%)
35. Frens, J., Walker, E., Hsieh, G. (2018). Supporting Answerers with Feedback in Social Q&A. In *Proceedings of the ACM Conference on Learning @ Scale (L@S)*.
34. Agapie, E., Chinh, B., Pina, L. R., Oviedo, D., Welsh, M. C., Hsieh, G., & Munson, S. A. (2018). Crowdsourcing Exercise Plans Aligned with Expert Guidelines and Everyday Constraints. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*. (Acceptance rate: 26%)
33. Lei, L., Shetty, V., Gupta, K., Polifka, J.E., Markham, G., Albee, S., Collins, C., Hsieh, G. (2017). Exploring the Design and Role of Mobile Apps for Healthcare Providers to Find

- Teratogenic Information. In *AMIA Annual Symposium Proceedings (Vol. 2017)*. American Medical Informatics Association.
32. Colusso, L., Bennett, C. L., Hsieh, G., & Munson, S. A. (2017). Translational Resources: Reducing the Gap Between Academic Research and HCI Practice. In *Proceedings of the 2017 Conference on Designing Interactive Systems (DIS)*. (\*Best paper honorable mention: top 2% of papers)
  31. Kocielnik, R., & Hsieh, G. (2017). Send Me a Different Message: Utilizing Cognitive Space to Create Engaging Message Triggers. In *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW)*. (Acceptance rate: 35%)
  30. Özcan, K., Jorgenson, D., Richard, C., & Hsieh, G. (2017). Designing for Targeted Responder Models: Exploring Barriers to Respond. In *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW)*. (Acceptance rate: 35%)
  29. Suh, M., Hsieh, G. (2016). Nudging Future Behavior: The Effect of Temporal Distance on Planned Behaviors. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*. (Acceptance rate: 23%)
  28. Colusso, L., Munson, S.A., Hsieh, G. (2016) Designing Closeness to Increase Gamers' Performance. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*. (Acceptance rate: 23%)
  27. Epstein, D.A., Cordeiro, F., Fogarty, J., Hsieh, G., Munson, S.A. (2016) Crumbs: Lightweight Daily Food Challenges to Promote Engagement and Mindfulness. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*. (Acceptance rate: 23%)
  26. Hsieh, G., Kocielnik, R. (2016). You Get Who You Pay for: The Impact of Incentives on Participation Bias. In *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW)*. (\*Best paper award: top 1% of papers)
  25. Agapie, E., Colusso, L., Munson, S., Hsieh, G. (2016). PlanSourcing: Generating Behavior Change Plans with Friends and Crowds. In *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW)*. (Acceptance rate: 25%)
  24. Chen, J., Haber, E., Kang, R., Hsieh, G., Mahmud, J. (2015). Making Use of Derived Personality: The Case of Social Media Ad Targeting. In *Proceedings of the International AAAI Conference on Web and Social Media (ICWSM)*. (Acceptance rate: 19%)
  23. Huang, S., Suh, M., Hill, B.M., Hsieh, G. (2015). How Activists are Both Born and Made: An Analysis of Users on Change.org. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*. (Acceptance rate: 23%)
  22. Wang, H-C., Yeo, T-H., Nobarany, S., Hsieh, G. (2015). Problem with Cross-Cultural Comparison of User-Generated Ratings on Mechanical Turk. In *Proceedings of the International Symposium of Chinese CHI (Chinese CHI)*. (Acceptance rate: 38%)
  21. Hsieh, G., Chen, J., Mahmud, J., Nichols, J. (2014). You Read What You Value: Understanding Personal Values and Reading Interests. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*. (Acceptance rate: 23%)
  20. Chen, J., Hsieh, G., Mahmud, J., Nichols, J. (2014). Understanding Individuals' Personal Values from Social Media Word Use. In *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW)*. (Acceptance rate: 27%)
  19. Lee, Y., & Hsieh, G. (2013). Does Slacktivism Hurt Activism?: The Effects of Moral Balancing and Consistency in Online Activism. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*. (Acceptance rate: 20%)

18. Lauckner, C., & Hsieh, G. (2013). The Presentation of Health-Related Search Results and Its Impact on Negative Emotional Outcomes. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*. (Acceptance rate: 20%)
17. Hsieh, G., Youyang, H., Chen, I., & Truong, K. (2013). "Welcome!": Social and Psychological Predictors of Volunteer Socializers in Online Communities. In *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW)*.
16. Harrison, C., Horstman, J., Hsieh, G., & Hudson, S.E. (2012). Unlocking the Expressivity of Point Lights. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*. (\*Best paper honorable mention: top 2% of papers)
15. Hsieh, G., Kraut, R.E., & Hudson, S.E. (2011). Donate for Credibility: How Contribution Incentives Can Improve Credibility. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*. (Acceptance rate: 26%)
14. Harrison, C., Hsieh, G., Willis, K., Forlizzi, J., & Hudson, S.E. (2011). Kineticons: Using Iconographic Motion in Graphical User Interface Design. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*. (\*Best paper honorable mention: top 2% of papers)
13. Hsieh, G., Kraut, R.E., & Hudson, S.E. (2010). Why Pay: Exploring How Financial Incentives are Used for Question & Answer. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*, pp. 305-314. (Acceptance rate: 22%)
12. Hsieh, G., & Counts, S. (2009). mimir: A Market-Based Real-Time Question and Answer Service. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*, pp.769-778. (Acceptance rate: 24%)
13. Hsieh, G., Kraut, R., Hudson, S.E., & Weber, R. (2008). Can Markets Help?: Applying Market Mechanisms to Improve Synchronous Communication. In *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW)*, pp. 535-544. (Acceptance rate: 23%)
10. Hsieh, G., Li, I., Dey, A., Forlizzi, J., & Hudson, S.E. (2008). Using Visualization to Increase Compliance in Experience Sampling. In *Proceedings of the ACM International Conference on Ubiquitous Computing (UBICOMP)*, pp. 164-167. (Acceptance rate: 19%)
9. Hsieh, G., Hudson, S.E., Kraut, R., & Lai, J. (2008). Using Tags to Assist Near-Synchronous Communication. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*, pp. 223-226. (Acceptance rate: 18%)
8. Hsieh, G., Tang, K.P., Low, W.Y., & Hong, J.I. (2007). Field Deployment of IMBuddy: A Study of Privacy Control and Feedback Mechanism for Contextual IM. In *Proceedings of the ACM International Conference on Ubiquitous Computing (UBICOMP)*, pp. 91-108. (Acceptance rate: 14%)
7. Dabbish, L., Hsieh, G., Kraut, R., & Hudson, S.E. (2007). Prioritization in Computer-Mediated Communication: Influences of Urgency, Notification, and Identity. In *Academy of Management Best Paper Proceedings (AOM)*. (\*Top 10% of accepted papers)
6. Cornwell J., Fette I., Hsieh G., Prabaker M., Rao J., Tang K., Vaniea K., Bauer L., Cranor L., Hong J., McLaren B., Reiter M., & Sadeh N. (2007). User-Controllable Security and Privacy For Pervasive Computing. In *Proceedings of the IEEE Workshop on Mobile Computing Systems and Applications (HotMobile)*, pp. 14-19.
5. Hsieh, G., Wood, K., & Sellen, A. (2006). Peripheral Display of Digital Handwritten Notes. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*, pp. 285-288. (Acceptance rate: 23%)

4. Churchill, E., Nelson, L., & Hsieh, G. (2005). Café Life in the Digital Age: Augmenting Information Flow in a café-work-entertainment Space. In *Extended Abstracts of the ACM Conference on Human Factors in Computing Systems (CHI)*, pp.123-128.
3. Keyani, P., Hsieh, G., Mutlu, B., Easterday, M., & Forlizzi, J. (2005). DanceAlong: Supporting Positive Social Exchange and Exercise for the Elderly Through Dance. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*, pp. 1541-1544. (Acceptance rate: 25%)
2. Mankoff, J., Dey, A.K., Hsieh, G., Kientz, J., Ames, M., & Lederer, S. (2003). Heuristic Evaluation of Ambient Displays. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*, pp.169-176. (Acceptance rate: 16%)
1. Mankoff, J., Hsieh, G., Hung, H.C., Lee S., & Nitao, E. (2002). Using Low-Cost Sensing to Support Nutritional Awareness. In *Proceedings of the ACM International Conference on Ubiquitous Computing (UBICOMP)*, pp. 371-378.

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#### PEER-REVIEWED JOURNAL PUBLICATIONS

14. Williams, S., Jones, R., Reinecke, K., & Hsieh, G. (2022). An HCI Research Agenda for Online Science Communication. In *Proceedings of the ACM on Human-Computer Interaction, 6*, CSCW.
13. Agapie, E., Areal, P., Hsieh, G., & Munson, S. (2022). Longitudinal Goal Setting: A Holistic, Longitudinal Process of Transformative Understanding in Mental Health. In *Proceedings of the ACM on Human-Computer Interaction, 6*, CSCW.
12. Williams, S., & Hsieh, G. (2021). The Effects of User Comments on Science News Engagement. In *Proceedings of the ACM on Human-Computer Interaction, 5*, CSCW.
11. Palacina, V., Ferrario, M.A., Hsieh, G., Knutas, A., Wolff, A., Porras, J. (2021). Human Values and Digital Citizen Science Interactions. *International Journal of Human-Computer Studies*, 149, 102605.
10. Suh, J., Williams, S., Fann, J.R., Fogarty, J., Bauer, A.M., & Hsieh, G. (2020). Parallel Journeys of Patients with Cancer and Depression: Challenges and Opportunities for Technology-Enabled Collaborative Care. In *Proceedings of the ACM on Human-Computer Interaction, 4*, CSCW.
9. Suh, M., Hsieh, G. (2019). The “Had Mores”: Exploring Korean Immigrants’ Information Behavior and ICTs Usage when Settling in the United States. *Journal of the Association for Information Science and Technology*.
8. Kocielnik, R., Keyes, O., Morgan, J. T., Taraborelli, D., McDonald, D. W., & Hsieh, G. (2019). Reciprocity and Donation: How Article Topic, Quality and Dwell Time Predict Banner Donation on Wikipedia. In *Proceedings of the ACM on Human-Computer Interaction, 2*, CSCW.
7. Liu, M., Wong, A., Pudipeddi, R., Hou, B., Wang, D., & Hsieh, G. (2019). ReactionBot: Exploring the Effects of Expression-Triggered Emoji in Text Messages. In *Proceedings of the ACM on Human-Computer Interaction, 2*, CSCW.
6. Jun, E., Hsieh, G., & Reinecke, K. (2019). Types of Motivation Affect Study Selection, Attention, and Dropouts in Online Experiments. *ACM Human-Computer Interaction, 1*, CSCW. (\*Best paper honorable mention: top 2% of papers)
5. Park, A., Hartzler, A.L., Huh, J., Hsieh, G., McDonald, D.M., Pratt, W. (2017). “How Did We Get Here?”: Topic Drift in Online Health Discussions. *Journal of medical Internet research*, 18(11).

4. Smith, S. W., Hitt, R., Park, H. S., Walther, J., Liang, Y., & Hsieh, G. (2016). An Effort to Increase Organ Donor Registration Through Intergroup Competition and Electronic Word of Mouth. *Journal of health communication*, 1-11.
3. Horodyski, M.A., Silk, K., Hsieh, G., Hoffman, A., & Robson, M. (2015). Tools for Teen Moms to Reduce Infant Obesity: A Randomized Clinical Trial. *BMC Public Health*.
2. Syavash, N., Booth, K.S., & Hsieh, G. (2015). What Motivates People to Review Articles? The Case for the Human-Computer Interaction Community. *Journal of the Association for Information Science and Technology*.
1. Peng, W., & Hsieh, G. (2012). The Influence of Competition, Cooperation, and Player Relationship on Performance, Motivation, and Goal Commitment in Game Play. *Computers in Human Behavior*, 28(6), 2100-2106.

#### BOOK CHAPTERS & INVITED PUBLICATIONS

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4. Kocielnik, R., Hsieh, G., & Avrahami, D. (2018). Chapter 5: Helping Users Reflect on Their Own Health-Related Behaviors. *Studies in Conversational UX Design*. R. J. Moore et al. (eds.).
3. Hsieh, G., & Friederici, N. (2012). Online Information: Access, Search, and Exchange. *The Sage Handbook of Digital Technology Research*. Price, Sara; Jewitt, Carey; Brown, Barry (Eds.).
2. Matthews, T., Hsieh, G., & Mankoff, J. (2009). Evaluating Peripheral Displays. *Awareness Systems: Advances in Theory, Methodology and Design*. Markopoulos, Panos; De Ruyter, Boris; Mackay, Wendy (Eds.), pp. 447-472.
1. Hsieh, G. (2009). Don't Ask Me: Designing Social Q&A Services. *Crossroads* 16(2).

#### REFERRED WORKSHOPS ORGANIZED

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2. Daly, E., Erete, S., Farzan, R., Hsieh, G., Lampe, C., Lopez, C., Monroy-Hernandez, A., Quercia, D., Schwartz, R., Volda A. (2015). Supporting Cities, Neighborhoods, and Local Communities with Information and Communication Technologies. In *CSCW'15 Proceedings of the 18th ACM Conference Companion on Computer Supported Cooperative Work & Social Computing* (pp. 277-281). ACM.
1. Hsieh, G., Munson, S. A., Kaptein, M. C., Oinas-Kukkonen, H., & Nov, O. (2014). Personalizing behavior change technologies. In *CHI'14 Extended Abstracts on Human Factors in Computing Systems* (pp. 107-110). ACM.

#### CONFERENCE, WORKSHOP & POSTER

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21. Sharif, A., Pruekcharoen, P., Ramesh, T., Shang, R., Williams, S., & Hsieh, G. (2022). "What's going on in Accessibility Research?" Frequencies and Trends of Disability Categories and Research Domains in Publications at ASSETS. Poster presented at *ACM SIGACCESS 2022*.
19. Suh, J., Karkar, R., Jones, T., Mittal, A., Andris, L., Zheng, Y., Bauer, A.M., Lostutter, T., Fogarty, J., Hsieh, G., Fann, J. (2022). SCOPE: A Pragmatic Study Examining Technology-Enhanced Collaborative Psychosocial Care in the Cancer Setting. *Society for Digital Mental Health Annual Meeting*.
19. Agapie, E., Thompson, C., Carr, J.G., Ferguson, D., Hsieh, G., Munson, S., Areán, P. (2020). Clinician Reported Challenges in the Creation of Action Plans. *Society for Behavioral Medicine (SBM)*.

18. Suh, J., Williams, S., Fann, J.R., Fogarty, J., Bauer, A.M., Hsieh, G. (2020). Human-Centered Methods to Inform the Design of Information Technologies for Team-Based Depression Care. *AMIA 2020 Clinical Informatics Conference*.
17. Suh, J., Williams, S., Fann, J.R., Fogarty, J., Bauer, A.M., Hsieh, G. (2020). A Parallel Journeys Perspective on Technology-Supported Depression Care for Patients with Cancer. Position Paper for the *Workshop on Technology Ecosystems & Mental Health at the ACM Conference on Human Factors in Computing Systems (CHI)*.
16. Agapie, E., Munson, S., Hsieh, G., Areán, P. (2020). Understanding Clinician Needs in Using an Evidence-Based Psychological Intervention. Position Paper for the *Workshop on Technology Ecosystems & Mental Health at the ACM Conference on Human Factors in Computing Systems (CHI)*.
15. Mallari, K., Williams, S., Hsieh, G. (2020). Information Needs of Streamers. Position Paper for the *Workshop on Be Part Of It: Spectator Experience in Gaming and eSports at the ACM Conference on Human Factors in Computing Systems (CHI)*.
14. Kocielnik, R., Agapie, E., Argyle, A., Hsieh, D.T., Yadav, K., Taira, B., Hsieh, G. HarborBot: A Chatbot for Social Needs Screening. Position Paper for the *Workshop on Conversational Agents: Acting on the Wave of Research and Development at the ACM Conference on Human Factors in Computing Systems (CHI)*.
13. Kocielnik, R., & Hsieh, G. (2017) Utilizing Cognitive Space and Crowds to Create Diverse and Engaging Behaviour Change Triggers. Position Paper for the Workshop on Conversational UX Design at the ACM Conference on Human Factors in Computing Systems (CHI).
12. Kocielnik, R., & Hsieh, G. (2018). Facilitating Self-learning in Behavior Change Through Long-term Intelligent Conversational Assistance. In *23rd International Conference on Intelligent User Interfaces* (pp. 683-684). ACM.
11. Kocielnik, R., Hsieh, G. (2017). Designing Reflective Dialogues on Self-Tracking Data. *Workshop paper presented at the ACM conference on Human Factors in Computing Systems (CHI)*.
10. Kocielnik, R., Hsieh, G. (2017). Utilizing Cognitive Space and Crowds to Create Diverse and Engaging Behaviour Change Triggers. *Workshop paper presented at the ACM conference on Computer Supported Cooperative Work (CSCW)*.
9. Kocielnik, R., Hsieh, G. (2016). Utilizing Cognitive Space and Crowds to Create Diverse and Engaging Behaviour Change Triggers. *ISRII 8<sup>th</sup> Scientific Meeting*.
8. Lauckner, C., & Hsieh, G. (2012). The Presentation of Health-Related Search Results and its Impact on Negative Psychological Outcomes. *Poster presented at the National Communication Association Conference*.
7. Hsieh, G., Prahbu, S., & Guzik, K. (2012). Pay or Donate: The Influence of Incentive Information on Credibility and Persuasion. *Paper presented at the International Communication Association Conference*.
6. Friederici, N., & Hsieh, G. (2012). Fear, Anxiety, and Shame as Predictors of Health Information Seeking and Emotional Support. *Paper presented at the International Communication Association Conference*.
5. Peng, W., & Hsieh, G. (2012). The Influence of Competition, Cooperation, and Player Relationship on Performance, Motivation, and Goal Commitment in Game Play. *Paper presented at the International Communication Association Conference*.
4. Clark-Hitt, R., Gidley, R., Smith, S. W., Park, H. S., Walther, J. B., Hsieh, G., Liang, J., Novales, W., Tislerics, J., & Havermahl, T., (2012). Traditional vs. social networking routes for organ donation registrations in two competition-based campaigns. *Poster presented at the Kentucky Conference on Health Communication*.
3. Park, H.S., Walther, J., Smith, S.W., Liang, Y., Clark-Hitt, R., & Hsieh, G. (2011). An Effort to Increase Support for Organ Donor Registration Through Social Identification and Intergroup Competition. *Paper presented at the Conference of the National Communication Association*.

2. Hsieh, G. (2011). Understanding and Designing for Cultural Differences on Crowdsourcing Marketplaces. *Workshop paper presented at the ACM conference on Human Factors in Computing Systems (CHI)*.
1. Hsieh, G. (2008). Using Market Mechanisms to Improve Real-Time Information Exchange. Doctoral Consortium presentation at the *ACM conference on Computer Supported Cooperative Work (CSCW)*.

#### SELECTED PRESS COVERAGE

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2021	McQuate, S. A chatbot can help doctors better understand incoming emergency department patients' social needs. <i>UW News</i> .
2018	Urton, J. Researchers develop an app for crowdsourced exercise plans, which rival personal trainers in effectiveness. <i>UW News</i> .
2014	Lee, J. What's the real impact of viral Ice Bucket Challenge? <i>USA Today Network</i> .
2013	Guzman, Monica. You're not a slacktivist, are you? GiveBig and a new social media debate. <i>Seattle Times</i> .
2013	Reardon, Sara. Does Online 'Slacktivism' Reduce Charitable Giving? <i>New Scientist</i> .
2009	Hemp, Paul. Death by Information Overload. <i>Harvard Business Review</i> .
2008	Jackson, Maggie. May We Have Your Attention Please? <i>Business Week</i> .

#### GRANTS & GIFTS

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2021 – 2022	Vaccine Confidence Fund: Large-scale Studies to Advance Public's Access and Trust of COVID-19 Vaccine Research on Social Media. \$149,940, Role: PI
2021 – 2022	OPTICC Pilot Study Grant: Designing a chatbot intervention to ameliorate disparities in breast cancer screening. \$50,000, Role: Co-PI
2020 – 2025	NCI R01: Using Technology to Optimize Collaborative Care Management of Depression in Urban and Rural Cancer Centers. \$3,104,085, Role: Co-I
2020 – 2021	UW Medicine Patients Are First Innovation Pilots (PAFIP): Human centered design approach to eliminating disparities in breast cancer screening. \$50,000, Role: Co-I
2020 – 2021	Institute of Translational Health Science, Collaborative Innovation Award: Feasibility of chatbot-facilitated social needs screening in the Emergency Department. \$50,000, Role: Co-PI
2019 – 2020	NIMH R03: UW Alacrity Center for Psychosocial Interventions: Pilot Project: Supporting Iterative Design of Homework in Problem Solving Therapy. \$50,000, Role: Senior Mentor
2019 – 2020	NIMH R03: UW Alacrity Center for Psychosocial Interventions: Pilot Project: Using Human Centered Design for Technology-Enabled Behavioral Treatment of Depression in Urban and Rural Cancer Centers. \$50,000, Role: Co-PI
2017 – 2019	CDC SBIR: Improving Drug Safety for Pregnant Women by Delivering Current and Authoritative Information via Mobile Devices. \$999,922, Role: Co-I
2016	Dynamic Nudges, Nokia. \$16,000. Role: PI
2015 – 2016	CDC SBIR: Improving Drug Safety for Pregnant Women by Delivering Current and Authoritative Information via Mobile Devices. \$150,000, Role: Co-I
2015	Study of Verbalucci, Intel. \$10,000, Role: Co-PI.
2014 – 2016	NIH R21: Tools for Teen Moms: Reducing Infant Obesity Risk. \$50,000, Role: Co-I.
2013 – 2018	CAREER: Advancing Social Computing with Tailored Motivators. \$499,892, Role: PI.



- 2011 Cultural Differences on Crowdsourcing Services, CrowdFlower gift. \$1,000, Role: PI.
- 2007 Mediation of Communication to Increase Efficiency, Yahoo! Research Key Technical Challenges Grant. \$5,000, Role: PI.

*Travel Grants for Research Presentations*

- 2009 Research Institute for the Science of Socio-Technical Systems
- 2008 IBM Research HCI Symposium
- 2008 CSCW Doctoral Consortium
- 2007 Yahoo! Research Key Technical Challenges Conference

PROFESSIONAL EXPERIENCES

- 2021 – Academic Consultant – Incentives Advisory Board, Twitter
- 2018 – Academic Consultant – Advisory Board, Rulai, Inc.
- 2019 – 2020 Visiting Assistant Professor, National Tsing Hua University, Institute of Service Science
- 2019 – 2020 Visiting Assistant Professor, National Taiwan University, Department of Computer Science & Information Engineering
- 2004 – 2010 Graduate Student Researcher, Carnegie Mellon University (Advisors: Scott Hudson & Robert Kraut)
- 2008 Research Intern, Microsoft Research (Manager: Scott Counts)
- 2007 Research Intern, IBM TJ Watson Research Center (Manager: Jennifer Lai)
- 2005 Research Intern, Microsoft Research Cambridge (Manager: Ken Wood)
- 2003 – 2004 Consultant, Fuji Xerox Palo Alto Research Center (Manager: Elizabeth Churchill)
- 2002 – 2003 Research Assistant, UC Berkeley & Intel Labs Berkeley (Advisors: Jennifer Mankoff & Anind Dey)
- 2002 – 2003 Web Development Intern, Embark (The Princeton Review)
- 1998 – 1999 Research Intern, The Clorox Co.

TEACHING EXPERIENCES

- Designing for Behavior Change, University of Washington (Fa. 2022, Fa. 2021, Sp. 2021, Sp. 2019, Sp. 2018, Sp. 2017)
- Introduction to User Research, University of Washington (Sp. 2022, Wi. 2021)
- Translating Theory into Design, National Tsing Hua University (Fa. 2019)
- Research Methods I (Quantitative), University of Washington (Wi. 2019, Wi. 2018, Wi. 2016, Wi. 2015, Wi. 2014)
- Interaction Design and Prototyping (Fa. 2017, Fa. 2016, Sp. 2016, Sp. 2015, Sp. 2014, Sp. 2013)
- Theory & Technology for Behavior Change, Michigan State University (Fa. 2012)
- Design for Behavior Change, Michigan State University (Sp. 2012)
- User Experience Design, Michigan State University (Fa. 2011)
- Health 2.0, Michigan State University (Sp. 2011)
- HCI Methods (TA for Bonnie John & John Zimmerman), Carnegie Mellon University (Fa. 2008)
- Programming Usable Interfaces (TA for Anind Dey), Carnegie Mellon University (Sp. 2007)
- User Interface Design, Prototyping and Evaluation (TA for Jennifer Mankoff), UC Berkeley (Fa. 2002)

## INVITED PRESENTATIONS

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- 2022 Invited Speaker. Workshop on Innovative Collaboration to Reshape Future, Taiwan Ministry of Science and Technology. "Conversational Agents for Health and Wellbeing."
- 2022 Monday Coffee. University House Wallingford. "Conversational Agents for Health and Wellbeing."
- 2021 CSCW Panel, TAICHI 2021. "CSCW and Communication."
- 2020 Seminar, City University of Hong Kong, Department of Communication. "Conversational Agents for Health and Behavior Change."
- 2020 Seminar, Ming Chi University of Technology, Department of Industrial Engineering and Management. "Motivational Technologies & Translational Research."
- 2020 Seminar, National Cheng Kung University, Department of Computer Science and Information Engineering. "Designing Technologies to Support Positive Behavior Change."
- 2019 EECS Seminar, National Chiao Tung University, College of Electrical and Computer Engineering and Computer Science. "Designing Technologies to Support Positive Behavior Change."
- 2019 Seminar, National Chengchi University, Department of Computer Science. "Designing Technologies to Support Positive Behavior Change."
- 2019 TIGP SNHCC Seminar, Academia Sinica, Institute of Information Science. "Designing Technologies to Support Positive Behavior Change."
- 2019 Keynote, IMP2019. "Designing Intelligent Motivational Technologies."
- 2019 Weekly Seminar, National Taiwan University, Department of Computer Science & Information Engineering. "Designing Technologies to Support Positive Behavior Change."
- 2019 Communication Technology Seminar, National Chiao Tung University, Department of Communication and Technology. "Designing Technologies to Support Positive Behavior Change."
- 2019 ISS Seminar, National Tsing Hua University, Institute of Service Science. "Translational Work to Bridge the Research and Design Chasms."
- 2019 IAA Seminar, NCTU, Institute of Applied Arts. "Translational Work to Bridge the Research and Design Chasms."
- 2019 Keynote, HCI@KAIST, KAIST. "Translational Work to Bridge the Research and Design Chasms."
- 2018 Keynote, TAICHI 2018. "Translational Work to Bridge the Research and Design Chasms"
- 2018 Wikimedia Research Showcase, Wikimedia Foundation, "Exploring Wikimedia Donation Patterns."
- 2017 Lunch Talk, Artefact, "Translational Research: Bridging the Theory and Practice Gap."
- 2014 Social/Personality Seminar, University of Washington, "Designing for the Why."
- 2014 Informatics Seminar, University of Irvine, "Designing Tailored Motivators."
- 2014 HCI Seminar, University of Illinois at Urbana Champaign, "Designing for the Why: Studying and Predicting Motivation."
- 2013 Human Centered Design & Engineering, University of Washington, "Studying & Designing Motivators for Prosocial Computing"

2013	School of Information, University of Texas at Austin, "Studying & Designing Motivators for Prosocial Computing"
2012	School of Communication, Northwestern University, "Motivations and Motivators in Social Computing"
2011	Computer Science & Engineering Colloquium, Michigan State University, "Motivations and Motivators in Social Computing"
2010	College of Communication Arts and Sciences Brown Bag, Michigan State University, "Incentives, Credibility and Cross Cultural Differences"
2010	IBM Research, Cambridge & Watson Labs, "Markets for Information Exchange"
2010	Disney Research, "Markets for Information Exchange"
2010	Microsoft Research, "Leveraging Market Mechanisms for Information Exchange"
2010	College of Communication Arts and Sciences, Michigan State University, "Markets for Information Exchange: Implications for Health"
2010	Nokia Research, "Markets for Information Exchange"
2008	IBM Research HCI Symposium, "Using Market Mechanisms to Improve Real-Time Information Exchange"
2008	DUB Meeting, University of Washington, "Applying Market Mechanisms to Improve Communication Efficiency"

#### PROFESSIONAL MEMBERSHIP & SERVICES

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##### *Advisory Board/Committee Member*

2018 – 2020	Industrial Engineering and Management Program, Taiwan's Ministry of Science and Technology
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##### *Organizing Committee Member*

2022	ACM CSCW, General co-Chair
2016	ACM CSCW, Publications co-Chair
2015	HCI Consortium, Program co-Chair
2015	Chinese CHI, Program co-Chair
2013	ACM CSCW. Posters co-Chair
2010	ACM CSCW, Student Volunteers co-Chair

##### *Program Committee Member*

2020	ACM CHI, Subcommittee co-Chair
2019	Wiki Workshop, Associate Chair
2019	Chinese CHI, Associate Chair
2018	ACM DIS, Associate Chair
2016 – 2018	ACM CHI, Associate Chair
2016 – 2019	HCIC Organizing Board, Member
2014	Chinese CHI, Associate Chair
2011 – 2014	ACM CHI, Associate Chair
2013	ACM CSCW, Associate Chair
2011	ICWSM, Associate Chair
2010	ACM CHI, Work In Progress Associate Chair
2007	ISR GSRS, Associate Chair

*Reviewer*

Organization Behavior and Human Decision Processes; Human-Computer Interaction; Health Communication; Journal of Computer-Mediated Communication; New Media and Society; International Communication Association Conference; International Conference on Information Systems; Transactions on Information Systems; International Conference on Ubiquitous Computing/IMWUT; International Conference on Pervasive Computing; ACM CSCW Conference; ACM CHI Conference; ACM ToCHI; ACM UIST Conference; AMIA Annual Symposium; Technology, Mind & Society; Field Methods; Nonprofit and Voluntary Sector Quarterly; Sensors; JMIR mHealth and uHealth

*Invited Panelist (Grant Proposals)*

2021 Fulbright U.S. Scholar Program Peer Review  
2012, 14, 18 National Science Foundation

*Volunteer*

2006 – 2010 FIRST LEGO Robotics Tournament (Research Judge, grades 6-8)  
2003 ACM UBICOMP  
2003 ACM CHI

*Member*

Association for Computing Machinery (ACM) and ACM SIGCHI  
International Communication Association (ICA)

UNIVERSITY SERVICES

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*University of Washington*

Research Task Force (2020-)  
M.A. Committee (2020-, 2013–2016)  
College of Engineering, College Council (2020-2022)  
Review Committee, Royalty Research Fund (2020-2022)  
Outreach Committee (2020)  
Chair's Executive Committee (2020-2022, 2014–2016)  
UW Converge Taipei, Panel Moderator (2019)  
Faculty Search Committee (Chair: 2016; Member: 2018)  
Ph.D. Committee (2013–2018)  
Space Committee (Chair: 2018)  
Awards Committee (Chair: 2016–2018)  
Student Travel Review Committee (2014–2015)  
Technology Committee (2013–2015)

*Michigan State University*

Faculty Search Committee, Department of Telecommunication, Information Studies, & Media  
(2012, 2011)

Graduate Affairs Committee, Department of Telecommunication, Information Studies, & Media  
(2011–2013)

Equipment Committee, Department of Communication (2010–2013)

Advisory Committee, Department of Communication (2010–2011)

#### STUDENT ADVISING

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##### *Post-Doctoral*

2020 – Ravi Karkar, Computer Science & Engineering and Human-Centered Design & Engineering (co-advisor with James Fogarty)

##### *Chair, Ph.D. Thesis Committee*

2020 – Anna Ruoxi Shang, Human-Centered Design & Engineering  
 2020 – Lubna Razaq, Human-Centered Design & Engineering (co-advisor with Beth Kolko)  
 2019 – Keri Mallari, Human-Centered Design & Engineering  
 2018 – Raina Langevin, Human-Centered Design & Engineering  
 2018 – Spencer Williams, Human-Centered Design & Engineering (co-advisor with Katharina Reinecke)  
 2016 – Himanshu Zade, Human-Centered Design & Engineering (co-advisor with Kate Starbird)  
 2014 – 2021 Rafal Kocielnik, Human-Centered Design & Engineering, now CI Fellow at Caltech  
 2014 – 2021 Lucas Colusso, Human-Centered Design & Engineering (co-advisor with Sean Munson), now Sr. UX Designer at BECU  
 2014 – 2021 Elena Agapie, Human-Centered Design & Engineering (co-advisor with Sean Munson), now Assistant Professor at UC Irvine  
 2013 – 2020 Minhyang Suh, Human-Centered Design & Engineering, now User Experience Researcher at Google

##### *Chair, Master Thesis Committee*

2011 Nicolas Friederici, Department of Telecommunication, Information Studies, & Media, now Head of Research Group at Humboldt Institute for Internet and Society

##### *Committee Member, Doctoral Thesis Committee*

2019 Nan-Chan Chen, Human Centered Design & Engineering, Member, now at Google  
 2018 Vasundhara Sridharan, Psychology, Member and Graduate School Representative, now at Medullan  
 2017 Laura Kneale, School of Medicine Division of Biomedical and Health Informatics, Member and Graduate School Representative  
 2017 Alex Polosov, Computer Science & Engineering, Member and Graduate School Representative, now Researcher at Microsoft Research  
 2017 Chelsey Wilks, Psychology, Member and Graduate School Representative  
 2015 Daniel Perelman, Computer Science & Engineering, Member and Graduate School Representative, now Research Software Engineer at Microsoft  
 2015 Albert Park, Biomedical and Health Informatics, Member and Graduate School Representative, now Assistant Professor at UNC Charlotte

2012 Andrew Smock, Department of Telecommunication, Information Studies, & Media, now Assistant Professor at the University of Wisconsin – Oshkosh

*Committee Member, Master Thesis Committee*

2014 Xiaowen Xu, Department of Communication, now Assistant Professor at Butler University

*Committee Member, Doctoral Prelim Committee*

2013 Carolyn Lauckner, Department of Telecommunication, Information Studies, & Media, now Assistant Professor at University of Kentucky

2013 Jacob Solomon, Department of Telecommunication, Information Studies, & Media, now Design Researcher at athenahealth

2012 Guanxiong Huang, Advertising, Public Relations, and Retailing, now Assistant Professor at Chinese University of Hong Kong

2012 Kanni Huang, Advertising, Public Relations, and Retailing

*Former Advisees and Research Assistants*

2015 – 2018 Kerem Özcan, Human-Centered Design & Engineering, now User Experience Researcher at Booking.com

2017 Lily Lei, Department of Human Centered Design & Engineering, now Founder and Creative Director at August Sage

2017 David Wang, Department of Human Centered Design & Engineering, now Engineer at Google

2016 Karan Gupta, Department of Human Centered Design & Engineering, now Designer at Google

2016 Siddhartha Gudipati, Department of Human Centered Design & Engineering, now Sr. Interaction Designer at Google

2015 Anna Kong, School of Information, now Designer at Google

2013 Yu-Hao Lee, Department of Telecommunication, Information Studies, & Media, now Associate Professor at University of Florida

2012 Youyang Hou, Department of Psychology, now UX Researcher at Google

2007 Wai Yong Low, Department of Electrical & Computer Engineering, now at MallTip

PERSONAL

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Citizen of United States of America