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University of Washington
Human Centered Design & Engineering
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Seattle, WA 98195

APPOINTMENTS

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

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

EDUCATION

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

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

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%)
11. 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.

PEER-REVIEWED JOURNAL PUBLICATIONS

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. Horodynski, 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

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

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

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 8th 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

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

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 Taiwan 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 (Sp. 2021, Sp. 2019, Sp. 2018, Sp. 2017)
Introduction to User Research, University of Washington (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

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

Advisory Board/Committee Member

- 2018 – 2020 Industrial Engineering and Management Program, Taiwan's Ministry of Science and Technology

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

Invited Panelist (Grant Proposals)

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

University of Washington

College of Engineering, College Council (2020)
Review Committee, Royalty Research Fund (2020)
M.A. Committee (2020, 2013–2016)
Outreach Committee (2020)
Research Task Force (2020)
Chair’s Executive Committee (2020, 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

Post-Doctoral

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

Chair, Ph.D. Thesis Committee

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

Citizen of United States of America