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**Jina Huh-Yoo, MHCI, PhD**

Assistant Professor, College of Computing and Informatics

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**Education**

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| <b>Postdoc</b> | <b>2011-2013</b> | <b>NIH-NLM Postdoctoral Fellowship</b><br>University of Washington, Seattle, WA<br>Department of Biomedical Informatics and Medical Education<br>School of Medicine<br>Mentor: Wanda Pratt   |
| <b>Ph.D.</b>   | <b>2004-2011</b> | <b>Ph.D. in Information</b><br><b>Specialization in Human-Computer Interaction</b><br>University of Michigan, Ann Arbor, MI<br>School of Information<br>Thesis: <i>Collaborative Help for Individualized Problems: Learning from the MythTV User Community and Diabetes Support Groups</i> (Funded by NSF #0905460)<br>Advisor: Mark S. Ackerman |
| <b>Master</b>  | <b>2003-2004</b> | <b>Master of Human-Computer Interaction</b><br>Carnegie Mellon University, Pittsburgh, PA<br>School of Computer Science<br>Human-Computer Interaction Institute<br>Graduation Project: <i>In-car juke-box</i> in collaboration with a major U.S. automobile company  |
| <b>B.A.</b>    | <b>1999-2003</b> | <b>Bachelors of Arts in Multimedia Design</b><br>Korea National University of Arts, Seoul, South Korea<br>Department of Multimedia Design<br>School of Film and Multimedia<br>Graduation Project: "Three" 3D Graphic animation   |

Mentors: Yoonhee Chang, Hyung-soo Kim

**Accepted**      **Mar-Jul/1998**      Ewha Woman's University, Seoul, South Korea  
Department of Design

### Professional Experience

- 06/2019-Present**      **Assistant Professor (Tenure-Track), Drexel University**  
College of Computing and Informatics  
Department of Information Sciences
- 04/2018-05/2019**      **Assistant Professor (Fixed-Term), Michigan State University**  
College of Communication Arts and Sciences  
Department of Media and Information
- 08/2018-12/2018**      **Usability Consultant, Novo Vivo, Inc**  
A start-up company providing services on biomedical data aggregation, collection and analysis using innovative privacy and security technology.
- 11/2015-04/2018**      **Assistant Adjunct Professor, University of California San Diego**  
School of Medicine, Department of Medicine  
Division of Biomedical Informatics
- 01/2016-04/2018**      **Adjunct Professor, Michigan State University**  
College of Communication Arts and Sciences  
Department of Media and Information
- 08/2013-09/2015**      **Assistant Professor (Tenure-Track), Michigan State University**  
College of Communication Arts and Sciences  
Department of Media and Information
- 08/2013-09/2015**      **Adjunct Assistant Professor, Michigan State University**  
College of Nursing
- 01/2014-09/2015**      **Adjunct Assistant Professor, Michigan State University**  
College of Engineering
- 08/2011-07/2013**      **National Library of Medicine Postdoctoral Fellow, University of Washington**  
School of Medicine  
Division of Biomedical and Health Informatics
- 01/2010-07/2011**      **Graduate Research Assistant, University of Michigan**  
PIs: Mark W. Newman and Mark S. Ackerman

NSF #0905460 Supporting social sharing of expertise in configuration

- 01/2009-07/2010 Graduate Research Assistant, University of Michigan**  
PI: Martha Pollack  
NSF #0705103 Designing interface for preference-based scheduling system  
Medical Rehabilitation Center, University of Michigan Hospital
- 10/2007-12/2007 Research Intern, Social Computing Group. IBM Watson, Hawthorne, NY**  
Mentors: Wendy Kellogg, Thomas Erickson, and Laurretta Jones  
Role of corporate internal blog
- 09/2004-08/2005 Graduate Research Assistant, University of Michigan**  
PI: Barbara Mirel  
USDA Assisting policy makers' decision-making through an analytical system
- 07/1999-11/2002 Freelance Web Designer**
- Website "Information Standardization Valley," National IT Industry Promotion Agency. South Korea (11/2002)
  - Designed a website for a music academy: Musecall.com. South Korea (1999)

## Certificates

- 2012 Completed the Coursera course: "Natural Language Processing" taught by Professors Dan Jurafsky and Christopher Manning, Stanford University

## Awards

- 2020-2021 Drexel University Medical Student Summer Research (Nishtha Gupta, Emily Schramm, Rishabh Matta, Vyshnavi Anandan): "Role of laugh and humor in therapist-patient interaction," "Understanding ageism on social media," "Developing mobile health for underserved youth," "Supporting autistic adults and social anxiety"
- 2020 Honorable Mention Award, EAI Pervasive Health 2020
- 2016 UC San Diego Center for Translational Research Institute Research Development Award
- 2016 Honorable Mention Poster Award, Quantified Self—Health Data Exploration Meeting, Robert Wood Johnson Foundation. Calit2, UC San Diego

- 2015 NYU Langone Medical Center/Columbia University Summer Research Training Institute at the Center for Stroke Disparities Solutions (CSDS) Program
- 2014 Selection of Best Paper in IMIA Yearbook 2014. Yearb Med Inform, 9, 197–198.
- 2014 Distinguished Paper Award, AMIA 2014
- 2013 Distinguished Paper Award, AMIA 2013
- 2013 Honorable Mention Award, ACM CHI 2013
- 2013 NIH mHealth Summer Institute Scholarship. UCLA.
- 2011 Workshop of Interactive Systems in Healthcare (WISH) mentorship award
- 2011 Rackham Dissertation Fellowship
- 2010 Grace Hopper Underwriters Scholarship (funded by Yahoo!)  
Grace Hopper Women in Computing Conference, Sept 28 ~ Oct 2, 2010.  
Atlanta, GA.
- 2009 Grace Hopper Underwriters Scholarship  
Grace Hopper Women in Computing Conference, Sept 30 ~ Oct 3, 2009.  
Tucson, AZ.
- 2009 Rackham Graduate Student Research Grant
- 2009 ACM CHI '09 Doctoral Consortium
- 2008 Honorable Mention at the Workplay 2008 Competition, University of Michigan Group "The Hub" with Ben Congleton, Paul Hartzog, Jiang Yang, and Nicholas Senske. Designed a future awareness crowd information hub for the North Campus.
- 2008 Graduate Fellow, NSF Workshop on Values in Design. August 8-16, 2008. Santa Clara University. Directors: Geoffrey Bowker, Helen Nissenbaum
- 2000 Full Scholarship, Korea National University of Arts
- 1999 Full Scholarship, Korea National University of Arts

**Grants Received (Total: \$6,033,390; At Drexel as PI: \$682,443)**

**As Principal Investigator (PI)**

**2022-2027 NSF CAREER #2144880 (\$599,993)**

**Role: PI**

DURAI: A Platform for Co-Designing and Understanding the Roles of Conversational Artificial Intelligence Systems on Caregiving

**2021-2022 NSF SBE Ethical and Responsible Research #22124894 (\$45,450)**

**Role: PI**

New Frameworks for Ethical Research Amidst Emerging Digital Technologies, Algorithms, and Privacy Norms.  
Co-PIs: Edward Kim, Sangeeta Panicker

**2021-2022 VoiceXML Forum (\$25,000)**

**Role: Lead PI**

VoiceXML-based Conversational Agent for the Caregivers of Alzheimer's and Alzheimer's Related Dementia Patients.

Collaborators: Aleksandra Sarcevic, Erjia Yan, Rose Ann Dimaria-Ghalili, Laura Gitlin

**2020-2021 Cell2Society Aging Research Network (\$5,000)**

**Role: PI**

Technology adoption and health information technology use among older adults.

Co-I: Rose Ann DiMaria-Ghalili, Leslie McClure

**2020-2021 Faculty Summer Research Award (\$7,000)**

**Role: PI**

Changing Social Network Site Use and the Social Isolation of Older Adults.

Collaborators: Alex Poole, Mat Kelly, Erjia Yan, Rose Ann DiMaria-Ghalili

**2016-2018 NSF IIS Smart and Connected Health #1622626 (\$941,455)**

**Role: Lead PI, in collaboration with #1622659 (\$879,240)**

SCH: INT: Collaborative: Unobtrusive sensing and feedback for family wellness

MSU site PI: Guoliang Xing; Co-PI: Wei Peng

**2017-2018 UC San Diego Health Sciences Academic Senate Grant Program (\$10,000)**

**Role: PI**

Assessing efficacy of passive and active forms of expressive art therapy in inpatient services

**2013-2016 NIH NLM Career Development Award in Biomedical Informatics 5K01LM011980 (\$466,351)**

**Role: PI**

InfoMediator: Weaving Clinical Expertise in Online Health Communities

**2015-2016 Center for Innovation and Research, Michigan State University-Sparrow Hospital (\$50,000)**

**Role: PI**

Mobile Tool to Aid Health Behavior Choices  
Co-PIs: Pang-Ning Tan, Paul Entler, Barbara Given

**As Co-Investigator (Co-I) \*NSF's Co-PI is NIH's Co-I**

**2020-2021 Cell2Society Aging Research Network (\$5,500)**

**Role: Co-I**

Smart Cup: Developing a Mobile-Friendly Web App Interface and Associated Training Materials for Fluid Intake Monitoring in Older Adults. PI: Rose Ann DiMaria-Ghalili

**2018 NIH NHLBI R01 1R01HL136835-01A1 (\$1,656,557)**

**Role: Co-I**

Protecting Privacy and Facilitating Shared Access of Clinical and Genetic Data of Special Populations. PI: Lucila Ohno-Machado

**2015-2017 NIH R01 HG008802 (\$1,324,059)**

**Role: Co-I**

iCONCUR: Informed CONsent for Clinical data and biosample Use for Research

Multiple PIs: Lucila Ohno-Machado, Hyeoneui Kim, Xiaoqian Jiang

**2015-2016 Michigan State University Trifecta Pilot Grant Award (\$10,000)**

**Role: Co-I**

Intervention with parents to increase physical activity and healthy eating among their adolescent children. PI: Lorraine Robbins

**2015-2016 Pilot Project 2.2 - Intelligent Search expansion and Visualization of Datasets (iSEE-DELVE) (\$70,000)**

**Role: Pilot study co-investigator**

Pilot project for NIH 1U24AI117966-01 BioCADDIE: Biomedical and Healthcare Data Discovery and Indexing Engine Center. PI: Lucila Ohno-Machado

## **Publications**

\* indicates research advisee.

## **Journals**

The Impact Factor (IF) and citations is based on what was most recently reported by the journal as of July 8<sup>th</sup> of 2022. If the journal is ranked within Top 20 Google H5-index ranking as of July 2022, the rank has been included. If not, the h-index is reported.

j28 Kocaballi AB, Sezgin E, Clark L, Carroll JM, Huang Y, Huh-Yoo J, Kim J, Kocielnik R, Lee YC, Mamykina L, Mitchell EG, Moore RJ, Murali P, Mynatt ED, Park SY, Pasta A, Richards D, Silva LM, Smriti D, Spillane B, Zhang Z,

Zubatiy T. Design and Evaluation Challenges of Conversational Agents in Healthcare and Wellbeing. *Journal of Medical Internet Research*. 26/09/2022:38525 (forthcoming/in press)

IF: 7.08, Google H5-Index Rank-Medical Informatics: 1, Citations: 0

j27 Smriti D\*, Kao A, Rathod R, Shin J, Peng W, Williams J, Mujib M, Colosimo M, **Huh-Yoo J**. MICA: Motivational Interviewing Conversational Agent for Parents as Proxies for their Children in Healthy Eating. *JMIR Hum Factors* (forthcoming). DOI:10.2196/38908

IF: 2.51, h-index: 22, Citations: 0

j26 Smriti D\*, Ambulkar S, Meng Q, Kaimal G, Ramotar K, Park SY, **Huh-Yoo J**. Creative arts therapies for the mental health of emerging adults: A systematic review. *The Arts in Psychotherapy*. 2022 Feb 1;77:101861. DOI: 10.1016/j.aip.2021.101861

IF: 1.847, h-index: 39, Citations: 2

j25 Choi B\*, Kim H, **Huh-Yoo J**. Seeking Mental Health Support Among College Students in Video-Based Social Media: Content and Statistical Analysis of YouTube Videos. *JMIR Formative Research*. 2021 Nov 11;5(11):e31944. DOI: 10.2196/31944

IF: 2.38, h-index: 13, Citations: 1

j24 Rheu M\*, Shin JY\*, Peng W, **Huh-Yoo J**. Systematic review: Trust-building factors and implications for conversational agent design. *International Journal of Human-Computer Interaction*. 2021 Jan 2;37(1):81-96. DOI: 10.1080/10447318.2020.1807710

IF: 4.79, Google H5-Index Rank: 11, Citations: 44

j23 **Huh-Yoo J**, Kadri R, Buis LR. Pervasive Healthcare IRBs and Ethics Reviews in Research: Going Beyond the Paperwork. *IEEE Pervasive Computing*. 2021 Mar 16;20(1):40-4. DOI: 10.1109/MPRV.2020.3044099

IF: 3.175, h-index: 103, Citations: 1

j22 Buis LR, **Huh-Yoo J**. Common shortcomings in applying user-centered design for digital health. *IEEE Pervasive Computing*. 2020 Jul 31;19(3):45-9. DOI: 10.1109/MPRV.2020.2997615

IF: 3.175, h-index: 103, Citations: 2

j21 Kwon BC, VanDam C, Chiuve SE, Choi HW, Entler P, Tan PN, **Huh-Yoo J**. Improving heart disease risk through quality-focused diet logging: Pre-post study of a diet quality tracking app. *JMIR mHealth and uHealth*. 2020 Dec 23;8(12):e21733. DOI: 10.2196/21733

- IF: 4.95, Google H5-Index Rank-Medical Informatics: 3, Citations: 2
- j20 Kopf L.\* and **Huh-Yoo J.** A User-Centered Design Approach to Developing a Voice Monitoring System for Disorder Prevention. *J Voice*. 2020 Nov 11:S0892-1997(20)30406-9. DOI: 10.1016/j.jvoice.2020.10.015
- IF: 2.009, Google H5-Index Rank-Audiology, Speech & Language Pathology: 1, Citations: 7
- j19 Chiauuzzi E, Clayton A, **Huh-Yoo J.** Videoconferencing-based telemental health: important questions for the COVID-19 era from clinical and patient-centered perspectives. *JMIR Mental Health*. 2020 Dec 8;7(12):e24021. DOI:10.2196/24021
- IF: 6.33, h-index: 38, Citations: 18
- j18 Park SY, Andalibi N, Zou Y, Ambulkar S, **Huh-Yoo J.** Understanding students' mental well-being challenges on a university campus: interview study. *JMIR Formative Research*. 2020 Mar 5;4(3):e15962. DOI: 10.2196/15962
- IF: 2.38, h-index: 13, Citations: 11
- j17 Bi C, Xing G, Hao T, **Huh-Yoo J,** Peng W, Ma M, Chang X. FamilyLog: monitoring family mealtime activities by mobile devices. *IEEE Transactions on Mobile Computing*. 2019 May 14;19(8):1818-30. DOI: 10.1109/PERCOM.2017.7917847
- IF: 6.075, Google H5-Index Rank-Computer Networks & Wireless Communication: 11, Citations: 5
- j16 Zhang Z, Lu Y, Kou Y, Wu DT, **Huh-Yoo J,** He Z. Understanding patient information needs about their clinical laboratory results: a study of social Q&A site. *Studies in health technology and informatics*. 2019 Aug 8;264:1403. DOI: 10.3233/SHTI190458
- IF: 0.678, Google H5-Index Rank-Medical Informatics: 17, Citations: 10
- j15 **Huh J,** Koola J, Contreras A, Castillo AK, Ruiz M, Tedone KG, Yakuta M, Schiaffino MK. Consumer health informatics adoption among underserved populations: thinking beyond the digital divide. *Yearbook of Medical Informatics*. 2018 Aug;27(01):146-55. DOI: 10.1055/s-0038-1641217
- IF: 3.47, h-index: 38, Citations: 25
- j14 VanDam C\*, Kanthawala S\*, Pratt W, Chai J, **Huh J.** Detecting clinically related content in online patient posts. *Journal of Biomedical Informatics*. 2017 Nov 1;75:96-106. DOI: 10.1016/j.jbi.2017.09.015
- IF: 6.317, Google H5-Index Rank-Medical Informatics: 8, Citations: 16
- j13 Marmor RA\*, Dai W, Jiang X, Wang S, Blair SL, **Huh J.** Increase in contralateral prophylactic mastectomy conversation online unrelated to



- decision-making. *Journal of Surgical Research*. 2017 Oct 1;218:253-60. DOI: 10.1016/j.jss.2017.05.074  
IF: 2.536, h-index: 112, Citations: 3
- j12 Choi MJ\*, Kim SH, Lee S, Kwon BC, Yi JS, Choo J, **Huh J**. Toward predicting social support needs in online health social networks. *Journal of Medical Internet Research*. 2017 Aug 2;19(8):e7660. DOI: 10.2196/jmir.7660  
IF: 7.08, Google H5-Index Rank-Medical Informatics: 1, Citations: 28
- j11 **Huh J**, Kwon BC, Kim SH, Lee S, Choo J, Kim J, Choi MJ, Yi JS. Personas in online health communities. *Journal of Biomedical Informatics*. 2016 Oct 1;63:212-25. DOI: 10.1016/j.jbi.2016.08.019  
IF: 6.317, Google H5-Index Rank-Medical Informatics: 8, Citations: 76
- j10 **Huh J**, Marmor R, Jiang X. Lessons learned for online health community moderator roles: a mixed-methods study of moderators resigning from WebMD communities. *Journal of Medical Internet Research*. 2016 Sep 8;18(9):e6331. DOI: 10.2196/jmir.6331  
IF: 7.08, Google H5-Index Rank-Medical Informatics: 1, Citations: 41
- j9 Park A, Hartzler AL, **Huh J**, Hsieh G, McDonald DW, Pratt W. "How did we get here?": topic drift in online health discussions. *Journal of Medical Internet Research*. 2016 Nov 2;18(11):e6297. DOI: 10.2196/jmir.6297  
IF: 7.08, Google H5-Index Rank-Medical Informatics: 1, Citations: 28
- j8 Kanthawala S\*, Vermeesch A, Given B, **Huh J**. Answers to health questions: internet search results versus online health community responses. *Journal of Medical Internet Research*. 2016 Apr 28;18(4):e5369. DOI: 10.2196/jmir.5369  
IF: 7.08, Google H5-Index Rank-Medical Informatics: 1, Citations: 71
- j7 Nath C, **Huh J**, Adupa AK, Jonnalagadda SR. Website sharing in online health communities: a descriptive analysis. *Journal of Medical Internet Research*. 2016 Jan 13;18(1):e5237. DOI: 10.2196/jmir.5237  
IF: 7.08, Google H5-Index Rank-Medical Informatics: 1, Citations: 58
- j6 Kwon BC, Kim SH, Lee S, Choo J, **Huh J**, Yi JS. VisOHC: Designing visual analytics for online health communities. *IEEE Transactions on Visualization and Computer Graphics*. 2015 Aug 12;22(1):71-80. DOI: 10.1109/TVCG.2015.2467555  
IF: 5.226, Google H5-Index Rank-Computer Graphics: 2, Citations: 49

- j5 Park A, Hartzler AL, **Huh J**, McDonald DW, Pratt W. Automatically detecting failures in natural language processing tools for online community text. *Journal of Medical Internet Research*. 2015 Aug 31;17(8):e4612.  
IF: 7.08, Google H5-Index Rank-Medical Informatics: 1, Citations: 41
- j4 **Huh J**, Liu LS, Neogi T, Inkpen K, Pratt W. Health vlogs as social support for chronic illness management. *ACM Transactions on Computer-Human Interaction (TOCHI)*. 2014 Aug 25;21(4):1-31. DOI: 10.1145/2630067  
IF: 2.351, Google H5-Index Rank-Human-Computer Interaction: 1, Citations: 103
- j3 **Huh J**, Yetisgen-Yildiz M, Pratt W. Text classification for assisting moderators in online health communities. *Journal of Biomedical Informatics*. 2013 Dec 1;46(6):998-1005. DOI: 10.1016/j.jbi.2013.08.011  
IF: 6.317, Google H5-Index Rank-Medical Informatics: 8, Citations: 117
- j2 **Huh J**, Le T, Reeder B, Thompson HJ, Demiris G. Perspectives on wellness self-monitoring tools for older adults. *International Journal of Medical Informatics*. 2013 Nov 1;82(11):1092-103. DOI: 10.1016/j.ijmedinf.2013.08.009  
IF: 4.046, Google H5-Index Rank-Medical Informatics: 7, Citations: 26
- j1 **Huh J**, Ackerman MS. Obsolescence: Uncovering values in technology use. *M/C Journal*. 2009 Jul 15;12(3). DOI: 10.5204/mcj.157  
IF: N/A, Google H5-Index Rank: N/A, Citations: 10

### **Full paper conference proceedings**

Note ACM conferences on Human Factors in Computing Systems (CHI), Computer Supported Cooperative Work (CSCW), GROUP, and Designing Interactive Systems (DIS) are considered as premier publication venues for the field of information and computer science, often considered as more prestigious than most journals. These conferences go through a rigorous review process, involving minimum of four reviewers per submission and multiple revision cycle through the rebuttal process.

- c23 **Huh-Yoo J**, Montgomery M, Matta R, Kim H, Daly B. Toward Supporting the Mental Health of Underprivileged Youth Through Village-Driven Sociotechnical Systems. In *Proceedings of the 20th European Conference on Computer-Supported Cooperative Work: The International Venue on Practice-Centred Computing on the Design of Cooperation Technologies - Notes, Reports of the European Society for Socially Embedded Technologies* (ISSN 2510-2591). 2022. DOI: 10.48340/ecscw2022\_n02

- Acceptance Rate: \*\*%, h-index: N/A, Citations: 0
- c22 Schiaffino M, Zhang Z, Sachs D, Migliaccio J, **Huh-Yoo J**. Predictors of Retention for Community-Based Telehealth Programs: A Study of the Telehealth Intervention Program for Seniors (TIPS). In Annual Symposium proceedings. AMIA Symposium 2021 Jan 1 (Vol. 2021, pp. 1089-1098). PMID: 35308972; PMCID: PMC8861729
- Acceptance Rate: N/A, Google H5-Index Rank-Medical Informatics: 16, Citations: 0
- c21 Shin JY\*, Rheu M, **Huh-Yoo J**, Peng W. Designing Technologies to Support Parent-Child Relationships: A Review of Current Findings and Suggestions for Future Directions. Proceedings of the ACM on Human-Computer Interaction. 2021 Oct 18;5(CSCW2):1-31. DOI: 10.1145/3479585
- Acceptance Rate: 27%, Google H5-Index Rank-Human Computer Interaction: 4, Citations: 2
- c20 **Huh-Yoo J**, Rader E. It's the Wild, Wild West: Lessons Learned From IRB Members' Risk Perceptions Toward Digital Research Data. Proceedings of the ACM on Human-Computer Interaction. 2020 May 28;4(CSCW1):1-22. DOI: 10.1145/3392868
- Acceptance Rate: 27%, Google H5-Index Rank-Human Computer Interaction: 4, Citations: 5
- c19 Shin JY\*, **Huh-Yoo J**. Designing everyday conversational agents for managing health and wellness: a study of alexa skills reviews. In Proceedings of the 14th EAI International Conference on Pervasive Computing Technologies for Healthcare 2020 May 18 (pp. 50-61). DOI: 10.1145/3421937.3422024
- Awarded Honorable Mention.
- Acceptance Rate: 47%, h-index: 6, Citations: 6
- c18 Zhang J, Marmor R, **Huh J**. Towards supporting patient decision-making in online diabetes communities. In AMIA Annual Symposium Proceedings 2017 (Vol. 2017, p. 1893). American Medical Informatics Association. PMID: 29854261; PMCID: PMC5977569
- Acceptance Rate: N/A, Google H5-Index Rank-Medical Informatics: 16, Citations: 7
- c17 Bi C, Xing G, Hao T, **Huh J**, Peng W, Ma M. Familylog: A mobile system for monitoring family mealtime activities. In 2017 IEEE International Conference on Pervasive Computing and Communications (PerCom) 2017 Mar 13 (pp. 21-30). IEEE. DOI: 10.1109/PERCOM.2017.7917847
- Acceptance Rate: 16.5%, h-index: N/A, Citations: 32

- c16 Park T, Hu T, **Huh J**. Plant-based games for anxiety reduction. In Proceedings of the 2016 Annual Symposium on Computer-Human Interaction in Play 2016 Oct 15 (pp. 199-204). DOI: 10.1145/2967934.2968094  
Acceptance Rate: 29%, h-index: N/A, Citations: 11
- c15 Shin J, Kang B, Park T, **Huh J**, Kim J, Song J. Beupright: Posture correction using relational norm intervention. In Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems 2016 May 7 (pp. 6040-6052). DOI: 10.1145/2858036.2858561  
Acceptance Rate: 23%, Google H5-Index Rank-Human Computer Interaction: 1, Citations: 23
- c14 **Huh J**. Clinical questions in online health communities: the case of "See your doctor" threads. In Proceedings of the 18th ACM Conference on Computer Supported Cooperative Work & Social Computing 2015 Feb 28 (pp. 1488-1499). DOI: 10.1145/2675133.2675259  
Acceptance Rate: 28%, Google H5-Index Rank-Human Computer Interaction: 7, Citations: 70
- c13 Kopf LM, Graetzer S, **Huh J**. Videos influence behavior change measures for voice and speech in individuals with Parkinson's disease. In Proceedings of the Conference on Wireless Health 2015 Oct 14 (pp. 1-7). DOI: 10.1145/2811780.2811932  
Acceptance Rate: 26%, h-index: N/A, Citations: 9
- c12 Park A\*, Hartzler AL, **Huh J**, McDonald DW, Pratt W. Homophily of vocabulary usage: beneficial effects of vocabulary similarity on online health communities participation. In AMIA Annual Symposium Proceedings 2015 (Vol. 2015, p. 1024). American Medical Informatics Association. PMID: 26958240; PMCID: PMC4765708  
Acceptance Rate: N/A, Google H5-Index Rank-Medical Informatics: 16, Citations: 14
- c11 **Huh J**, Pratt W. Weaving clinical expertise in online health communities. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems 2014 Apr 26 (pp. 1355-1364). DOI: 10.1145/2556288.2557293  
Acceptance Rate: 23%, Google H5-Index Rank-Human Computer Interaction: 1, Citations: 39
- c10 Hartzler AL, McDonald DW, Park A, **Huh J**, Weaver C, Pratt W. Evaluating health interest profiles extracted from patient-generated data. In AMIA Annual Symposium Proceedings 2014 (Vol. 2014, p. 626). American Medical Informatics Association. PMID: 25954368; PMCID: PMC4419913

Distinguished Paper Award (Top 5 papers)

Acceptance Rate: N/A, Google H5-Index Rank-Medical Informatics: 16, Citations: 18

- c9 **Huh J, McDonald DW, Hartzler A, Pratt W.** Patient moderator interaction in online health communities. In AMIA Annual Symposium Proceedings 2013 (Vol. 2013, p. 627). American Medical Informatics Association. PMID: 24551364; PMCID: PMC3900205

Distinguished Paper Award (Top 5 papers)

Acceptance Rate: N/A, Google H5-Index Rank-Medical Informatics: 16, Citations: 69

- c8 Liu LS, **Huh J**, Neogi T, Inkpen K, Pratt W. Health vlogger-viewer interaction in chronic illness management. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems 2013 Apr 27 (pp. 49-58). DOI:10.1145/2470654.2470663.

Honorable Mention Award (Top 5%).

Acceptance Rate: 20%, Google H5-Index Rank-Human Computer Interaction: 1, Citations: 91

- c7 **Huh J, Patel R, Pratt W.** Tackling dilemmas in supporting 'the whole person' in online patient communities. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems 2012 May 5 (pp. 923-926). DOI: 10.1145/2207676.2208535

Acceptance Rate: 23%, Google H5-Index Rank-Human Computer Interaction: 1, Citations: 47

- c6 **Huh J, Ackerman MS.** Collaborative help in chronic disease management: supporting individualized problems. In Proceedings of the ACM 2012 conference on Computer Supported Cooperative Work 2012 Feb 11 (pp. 853-862). DOI: 10.1145/2145204.2145331

Acceptance Rate: 27%, Google H5-Index Rank-Human Computer Interaction: 7, Citations: 116

- c5 **Huh J, Newman MW, Ackerman MS.** Supporting collaborative help for individualized use. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems 2011 May 7 (pp. 3141-3150). DOI: 10.1145/1978942.1979408

Acceptance Rate: 27%, Google H5-Index Rank-Human Computer Interaction: 1, Citations: 10

- c4 **Huh J, Ackerman MS, Newman MW, Buyuktur AG.** Progressive scenarios: a rapid method for understanding user interpretations of technology. In Proceedings of the 16th ACM International Conference on Supporting Group Work 2010 Nov 7 (pp. 31-34). DOI: 10.1145/1880071.1880077

Acceptance Rate: 33%, h-index: N/A, Citations: 1

- c3 **Huh J**, Pollack M, Katebi H, Sakallah K, Kirsch N. Incorporating user control in automated interactive scheduling systems. In Proceedings of the 8th ACM Conference on Designing Interactive Systems 2010 Aug 16 (pp. 306-309). DOI: 10.1145/1858171.1858226

Acceptance Rate: 25%, Google H5-Index Rank-Human Computer Interaction: 12, Citations: 6

- c2 **Huh J**, Nam K, Sharma N. Finding the lost treasure: understanding reuse of used computing devices. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems 2010 Apr 10 (pp. 1875-1878). DOI: 10.1145/1753326.1753607

Acceptance Rate: 22%, Google H5-Index Rank-Human Computer Interaction: 1, Citations: 36

- c1 Mirel B, Maher M, **Huh J**. User needs in e-government: Conducting policy analysis with models-on-the-Web. In People and Computers XIX—The Bigger Picture 2006 (pp. 131-147). Springer, London. DOI: 10.1007/1-84628-249-7\_9

Acceptance Rate: N/A, h-index: N/A, Citations: 2

#### Peer-reviewed conference posters and extended abstracts

- p22 Smriti D\*, Rathod R\*, **Huh-Yoo J**. Toward Privacy Implications in Developing and Deploying Chatbots in Informatics Research: Analysis of Chatbot Development Platforms. Poster Presentation. American Medical Informatics Association 2021.

- p21 Wang L\*, **Huh-Yoo J**. The Representativeness of "People Also Ask" of Google Web Search on the Information Needs Concerning Alzheimer's Disease and Related Dementias. Poster Presentation. American Medical Informatics Association 2021.

- p20 Nguyen P\*, Choi HW, Schiaffino MK, Zhang Z, **Huh-Yoo L**. Qualitative Coding Framework for Analyzing Alert Notes from the Telehealth Intervention Program for Seniors (TIPS). Poster Presentation. American Medical Informatics Association 2021.

- p19 LeVasseur M, Coates M, Sefcik J, DiMaria-Ghalili R, **Huh-Yoo J**. Disparity on Online Patient-Provider Communication and Implications for a Post-COVID Era. Innovation in Aging. 2021 Jan 1;5(Suppl 1):586-.

- p18 Bernstein A, **Huh-Yoo J**, Forte A. Parent and Paraprofessional Use of Commercial Augmentative and Alternative Communication Devices with Non-verbal Autistic Young People. Poster Presentation. American Medical Informatics Association 2021.
- p17 Kao TSA, Ling J, Smriti D, Shin JY, Peng W., **Huh-Yoo J**. The Feasibility of Technology-Adapted Motivational Interviewing (TAMI), Poster Presentation. MNRS Virtual Annual Research Conference 2021.
- p16 Smriti D\*, DiMaria-Ghalili RA, Gitlin L, Sarcevic A, Yan E, **Huh-Yoo J**. Information Quality Assessment Framework for Online Dementia Care Resources. *Innovation in Aging*. 2020;4(Suppl 1):823.
- p15 Choi HW\*, DiMaria-Ghalili RA, Kelly M, Poole A, Yan E, **Huh-Yoo J**. Older Adults and Technology Use: A Systematic Literature Review. *Innovation in Aging*. 2020;4(Suppl 1):823.
- p14 Smriti D\*, Shin JY\*, Mujib M\*, Colosimo M\*, Kao TS, Williams J, **Huh-Yoo J**. TAMICA: Tailorable Autonomous Motivational Interviewing Conversational Agent. In Proceedings of the 14th EAI International Conference on Pervasive Computing Technologies for Healthcare 2020 May 18 (pp. 411-414).
- p13 Marmor RA\*, Schoenbrunner AR, Blair SL, **Huh J**. Making Sure It Does Not Come Back: Reasons for Choosing Contralateral Prophylactic Mastectomy in an Online Health Community. *Journal of the American College of Surgeons*. 2016 Oct 1;223(4):S48.
- p12 Marmor RA\*, Ward EP, Epstein E, Reghunathan M, Schoenbrunner A, Unkart JT, Blair SL, **Huh J**. Abstract P4-17-06: First posts: A content analysis of an online breast cancer community user's initial postings. *Cancer Research*. 2017 Feb 15;77(4\_Supplement):P4-17.
- p11 Marmor RA\*, Wilder TJ, **Huh J**. (2016). Shared Happiness is Doubled: Time-Dependent Analysis of Sentiment on an Online Forum. National Library of Medicine Informatics Training Conference. Columbus, OH. (oral presentation). American College of Surgeons 2016 Clinical Congress. October 16-20, 2016. Washington DC.
- p10 Kopf L\*, Graetzer S, Shrivastav R, Liu X, **Huh J**. Using Videos To Promote Awareness And Behavior Change For Voice In Parkinson's Disease. Poster presentation at the American Speech-Language-Hearing Association 2015, Denver, CO.
- p09 Kanthawala S\*, VanDam C, Given C, Chai J, Vermeesch A, Huebner M, Crowley J, **Huh J**. Question Types in Online Health Communities. Poster Presentation. American Medical Informatics Association 2015.

- p08 Yuan S\*, **Huh J.** Social Support Exchanges Among Online Health Community Members. Poster Presentation. American Medical Informatics Association 2014.
- p07 **Huh J,** Yetisgen-Yildiz M, Hartzler A, McDonald D, Park A, Pratt W. Toward Automatic Weaving of Medical Advice with Patient Experiences Using Text Classification. Poster Presentation. American Medical Informatics Association 2012.
- p06 Park A\*, Hartzler A, **Huh J,** McDonald D, Pratt W. Extracting Everyday Health Interests from Online Communities. Poster Presentation. American Medical Informatics Association 2012.
- p05 Hartzler A, McDonald D, Park A, **Huh J.** Pratt W. Mentor Matching in Peer Health Communities. Poster Presentation. American Medical Informatics Association 2012.
- p04 **Huh J,** Ackerman MS. Exploring social dimensions of personal information management with adults with AD/HD. In CHI'10 Extended Abstracts on Human Factors in Computing Systems 2010 Apr 10 (pp. 3715-3720).
- p03 **Huh J,** Ackerman MS. Designing for all users: including the odd users. In CHI'09 Extended Abstracts on Human Factors in Computing Systems 2009 Apr 4 (pp. 2449-2458).
- p02 **Huh J,** Ackerman MS, Douglas R. The use of aesthetics in HCI systems. In CHI'07 extended abstracts on Human factors in computing systems 2007 Apr 28 (pp. 2441-2446).
- p01 **Huh J,** Jones L, Erickson T, Kellogg WA, Bellamy RK, Thomas JC. BlogCentral: the role of internal blogs at work. InCHI'07 extended abstracts on Human factors in computing systems 2007 Apr 28 (pp. 2447-2452).

#### **Refereed Conference Panels, SIGs, and Workshop Organizing**

- w10 Papoutsaki A, **Huh-Yoo J,** MacLeod H, Mamykina L, Miller AD, Yarosh S, Epstein DA. The Future of Research on Online Health Communities: Discussing Membership, Structure, and Support. In Companion Publication of the 2021 Conference on Computer Supported Cooperative Work and Social Computing 2021 Oct 23 (pp. 352-355).
- w08 **Huh-Yoo J,** Panicker S, Chiauzzi E, Kim E. Human Subject Research in the Era of Emerging Digital Technologies, Ubiquity of Algorithms, and Evolving Privacy Norms. Workshop. American Medical Informatics Association 2021.
- w07 LeVasseur M, Coates M, Sefcik J, DiMaria-Ghalili R, **Huh-Yoo J.** Disparity on Online Patient-Provider Communication and Implications for a Post-COVID Era. Innovation in Aging. 2021 Jan 1;5(Suppl 1):586.



- w06 Sefcik J, **Huh-Yoo J**. Technology Use of Older Adults and Caregivers: Discoveries and Opportunities for Improvement. *Innovation in Aging*. 2020;4(Suppl 1):822.
- w05 Zhang J, Marcu G, Kientz JA, Pina LR, Ambulkar S, Mamykina L, **Huh J**. Bridging Communities for Better HIT: Streaming Conversations from WISH on Challenges, Strategies, and Opportunities. In *Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems 2017 May 6* (pp. 1346-1349).
- w04 **Huh J**, Hartzler A, Munson S, Anderson N, Edwards K, Gore JL, McDonald D, O'Leary J, Parker A, Streat D, Yetisgen-Yildiz M. Brainstorming design for health: helping patients utilize patient-generated information on the web. In *Proceedings of the ACM 2012 conference on Computer Supported Cooperative Work Companion 2012 Feb 11* (pp. 11-12).
- w03 **Huh J**, Nathan LP, Silberman S, Bleviss E, Tomlinson B, Sengers P, Busse D. Examining appropriation, re-use, and maintenance for sustainability. In *CHI'10 Extended Abstracts on Human Factors in Computing Systems 2010 Apr 10* (pp. 4457-4460).
- w02 Treem J, Ellison N, **Huh J**, Rader E. Social Media and the Communication of Knowledge in the Workplace: Will Information Technology Change How Organizations Manage and Apply Knowledge? A panel at NCA 96th Annual Convention. (San Francisco, CA, Nov 14-17. 2010)
- w01 **Huh J**, Ackerman MS, Erickson T, Harrison S, Sengers P. Beyond usability: taking social, situational, cultural, and other contextual factors into account. In *CHI'07 Extended Abstracts on Human Factors in Computing Systems 2007 Apr 28* (pp. 2113-2116).

#### **Doctoral Consortium**

- d01 **Huh J**. Users' ongoing work on managing computational artifacts. In *CHI'09 Extended Abstracts on Human Factors in Computing Systems 2009 Apr 4* (pp. 3149-3152).

#### **Refereed workshop papers and conference presentations**

- rw11 Smriti D\*, **Huh-Yoo J**. (2020, April 25-30). TAMICA: Tailorable Motivational Interviewing Conversational Agent. ACM CHI Workshop on Conversational AI in Healthcare. Hawaii, United States. <https://chi2020.acm.org> (Conference Canceled)

- rw10 **Huh J.** Applying Contextual Integrity Framework for Community-Engaged Research Data Management. PRIVACI: Symposium on Applications of Contextual Integrity. Berkeley, CA. August 19-20, 2019.
- rw09 **Huh J.** Modeling Patient Retention in Social Media. Second Annual Health Data Exploration (HDE) Network Meeting. San Diego, CA. May 17, 2016.
- rw08 Kopf L\*, **Huh J**, Shrivastav R. Vocal Health Discussion in Online Forums. The Voice Foundation's 43rd Annual Symposium: Care of the Professional Voice. 2014.
- rw07 **Huh J**, InfoMediator: Weaving Clinical Expertise in Online Health Communities. Workshop position paper. Workshop in Interactive Systems in Healthcare 2013.
- rw06 **Huh J**, McDonald D, Hartzler A, Park A, Pratt W. The Doctor is in the House: Examining Health Professionals' Roles in Online Patient Communities. Workshop position paper. Workshop in Interactive Systems in Healthcare 2012.
- rw05 Park A\*, Hartzler A, **Huh J**, McDonald D, Pratt W. Automatic Profiling of Users' Health Interests from Online Communities. Workshop position paper. Workshop in Interactive Systems in Healthcare 2012.
- rw04 Dong T, **Huh J**, Newman MW, Ackerman MS. Supporting Re-Use in DIY Software Projects: A Gray-Box Approach. Workshop position paper. ACM CSCW Workshop 2011.
- rw03 **Huh J**, Ackerman MS. Using Collective Intelligence to Support Diabetes Patients. Workshop position paper. ACM Group Workshop on Clorg 2010.
- rw02 **Huh J**, Ackerman MS. Challenges in Sustainability: Understanding Users' Appropriation and Maintenance Work of Computational Artifacts. Workshop position paper. ACM CHI Workshop 2009.
- rw01 **Huh J**, Ackerman MS. 2006. The Knowledge in Design Research for "Exploring Design" Workshop position paper. ACM DIS Workshop 2006. <http://design.schweitzerhome.net/>

#### Technical and White Papers

x01 Wang L, Mujib MI, Williams J, Demiris G, **Huh-Yoo J**. An Evaluation of Generative Pre-Training Model-based Therapy Chatbot for Caregivers. arXiv preprint arXiv:2107.13115. 2021 Jul 28.

### **Book Chapters**

b02 Ozkaynak M, Reeder B, Park SY, **Huh-Yoo J**. Design for improved workflow. InDesign for Health 2020 Jan 1 (pp. 251-276). Academic Press.

b01 Hartzler A, **Huh J**. Chapter X. Patient Power on the Web: The Multifaceted Role of Personal Health Wisdom. Eds. Thomas Wetter. In Consumer Health Informatics. Springer. 2015.

### **Press**

pr08 Assistant Professor Jina Huh-Yoo Awarded VoiceXML Forum Grant for Research to Benefit Dementia Caregivers. March 31, 2021. Drexel University CCI.

pr07 New Faculty Keep Drexel Abreast of Disruptive Technologies. October 31, 2019. Drexel Now.

pr06 Can We Talk? Some Advice on Negotiating Online Health Chat Rooms. June 30, 2017. UC San Diego Health Newsroom

pr05 Social Services Innovations: Online Patient Communities. Social Work Today. Vol. 16 No. 3 P.6: <http://www.socialworktoday.com/archive/052416p6.shtml>

pr04 Social media unites families fighting cancer together. San Diego Union Tribune. March 8, 2015.

pr03 Triple Play: Three MSU Colleges Join Forces to Push Limits of Research. MSU Today. Nov. 25, 2014.

pr02 "HCI and Design." Computer Arts Magazine. Future Media publishing. Seoul, Korea Author of a monthly magazine column. April, 2006 ~ November, 2006

pr01 Interview with Computer Arts Magazine. Future Media publishing. Seoul, Korea. April, 2006.

### **Book Reviews**

br01 Wang, X. and Schnabel, M. (eds.). Mixed reality in architecture, design, and construction (1st edition). Springer Publishing Company, Incorporated, (2008). ACM Computing Reviews (Reviews.com) April 17 2009. Review #: CR136701

## Invited Talks and Panels, Press, and Book Reviews

- 2021/12/08           Daly Lab, Department of Psychology, Drexel University. Online.
- 2021/11/10           Seoul National University, Seoul, Korea. Online.
- 2021/7/15            It's the wild, wild west: Lessons learned from IRB member's risk perceptions toward digital research data. Michigan State University. Online.
- 2021/5/17            Designing Smart Health Technologies To Support Family Health. College of Nursing and Health Professionals, Drexel University.
- 2020/1/06            NSF Smart and Connected Health PI meeting. TAMICA: Tailorable Automated Motivational Interviewing Conversational Agent. Alexandria, VA.
- 2019/12/18           Using Emerging Technology to Support Health. MS in Information Webinar. Drexel University. Philadelphia, PA.
- 2019/10/22           Designing Meaningful Health Technologies. INFO 821 Seminar. Drexel University.
- 2019/09/26           Improving Health Through Community-Engaged Digital Research. Dean's Executive Advisory Council. College of Computing and Informatics, Drexel University. Philadelphia, PA.
- 2019/02/27           "Providing Social Support Through Emerging Technologies" Healthcare Innovation Bridging Research Lab (HiBRID Lab), NYU Langone Medical Center. NYC, NY.
- 2019/02/20-22        "Supporting Family Health Through Emerging Technologies" Department of Media and Information, Michigan State University. East Lansing, MI.
- 2019/02/07           "Supporting Family Health Through Emerging Technologies" College of Computing and Informatics, Drexel University. Philadelphia, PA.
- 2019/01/31           "Providing Social Support through Emerging Technologies" New Jersey Institute of Technology. Newark, NJ.
- 2019/01/28           "Providing Social Support through Mobile and Emerging Technologies" Research Talk. Montclair State University. Montclair, NJ.
- 2018/12/17           "People, Processes, and Design" Research Talk. Dataminr, Inc. NYC, NY.

2018/09/17-18 "SHINE: Unobtrusive sensing for family wellness" PI meeting. NSF Smart and Connected Health PI meeting. Washington DC.

2017/03/21-22 "SHINE: Unobtrusive sensing for family wellness" PI meeting. NSF Smart and Connected Health PI meeting. Boston, MA.

2017/03/20 "Closing the methodological loop in biomedical informatics research" Special seminar talk. Harvard Medical School Division of Preventive Medicine.

2017/03/21-22 "Unobtrusive sensing and feedback for family wellness" NSF Smart and Connected Health PI meeting. Boston, MA.

2016/10/06 "Social Media for Biomedical Informatics Research" UC San Diego Health Sciences International. University of California San Diego.

2016/09/27 "Social Media for Biomedical Informatics Research" MED 264: Principles of Biomedical Informatics. University of California San Diego.

2016/09/12 "Closing the methodological loop in biomedical informatics research" Surgery Chair's Research Fellow Conference. ECOB, UC San Diego.

2015/10/30 "Visual Media for Patient-Centered Systems" Biomedical Informatics, UC San Diego.

2015/10/21 "Closing the Loop in HCI and Biomedical Informatics Research" The Design Lab. University of California San Diego.

2015/10/15 "Social Media for Biomedical Informatics Research" MED 264: Principles of Biomedical Informatics. University of California San Diego.

2015/4/21 "Health Vlogs as Social Support for Chronic Illness Management" Yonsei University, School of Communication. Seoul, Korea.

2015/3/20 "Weaving Clinical Expertise in Online Health Communities" Michigan State University College of Nursing. East Lansing, MI.

2015/3/13 "Using peer patient network to support everyday health management" University of California—San Diego Division of Biomedical Informatics. San Diego, CA.

2015/3/4 "Information extraction to support online peer patient network" Michigan State University. Natural Language Processing course guest lecture.

- 2014/12/17 "InfoMediator: Weaving Clinical Expertise in Online Health Communities" Seoul National University (SNU), Biomedical Knowledge Engineering Laboratory. Seoul, South Korea.
- 2014/12/15 "InfoMediator: Weaving Clinical Expertise in Online Health Communities" Korea Advanced Institute of Science and Technology (KAIST), Daejeon, South Korea.
- 2014/12/12 "Doctoral consortium panelist for HCI Korea. Seoul, South Korea.
- 2014/10 "Dissecting a Design Problem Through Social, Technical, and Medical Lenses" ADV/JRN/MI 900 course lecture. Michigan State University. College of Communication Arts and Sciences. East Lansing, MI.
- 2014/9 "Weaving Clinical Expertise into Online Health Communities" Trifecta Faculty-Student meeting. Michigan State University College of Communication Arts and Sciences. Trifecta.
- 2014/5/2 "Clinical Expertise in Everyday Illness Management" University of Waterloo, Ontario, Canada.
- 2014/2/27 "Social Media for Individuals with Chronic Illness" Trifecta course. Michigan State University College of Engineering.
- 2013/11/1 "Social Media for Individuals with Chronic Illness" The CSE seminar. Michigan State University College of Engineering.
- 2013/2/13 "Social Media for Health" The DUB seminar. University of Washington, Seattle.
- 2012/10/9 "Usability Testing and Research Design." A lecture for a research methods course at the University of Washington Information School. Seattle, Washington.
- 2012/6/25 "Weaving Clinical expertise into Online Peer-Patient Conversations." Open-Mic session. NLM Informatics Training Conference 2012. Madison, WI.
- 2012/5/21 "Introduction to Human-Computer Interaction." Universidad Peruana Cayetano Heredia School of Science. Peru. Audience: Physicians.
- 2011/12/28 "Weaving Clinical Expertise and Patient Expertise in Online Communities." Korea Advanced Institute of Science and Technology (KAIST). Department of Industrial Design. Lunch Talk. Daejeon, South Korea.

- 2011/4/8 "Supporting Collaborative Help for Individualized use." School of Information, University of Michigan. FIRST.
- 2011/3/21 "Collaborative Help for Individualized Problems: Learning from Diabetes Patient Support Groups." Duke University School of Nursing.
- 2011/2/17 "Collaborative Help for Individualized Use: Learning from the MythTV User Community and Diabetes Patient Support Groups." University of North Carolina School of Information and Library Science.
- 2011/1/21 "Collaborative Help for Individualized Use: Learning from the MythTV User Community and Diabetes Patient Support Groups." University of Central Florida School of Visual Arts and Design.
- 2010/11/16 "Supporting Collaborative Help for Individualized Use." Berkeley Institute of Design, University of California, Berkeley.
- 2010/1/15 "Finding the Lost Treasure: Understanding Reuse of Used Computing Devices." School of Information, University of Michigan. FIRST.
- 2009 "Personal Information Management in Adults with AD/HD." NSF PIM workshop as part of ASIST 2009. Vancouver, BC
- 2008/1/30 "A Study of HP200LX Users." HCI Consortium. Colorado. CO. Jan 30 ~ Feb 3.

### Teaching Experience

- Fall 2020-2021** **INFO508: Information Innovation with Design Thinking**  
College of Computing and Informatics, Drexel University
- 2020-2022** **INFO615: Designing With Data**  
College of Computing and Informatics, Drexel University
- Spring 2020** **INFO310: Human-Centered Design Process and Methods**  
College of Computing and Informatics, Drexel University
- Winter 2020-2022** **INFO690: Understanding Users**  
College of Computing and Informatics, Drexel University
- Winter 2019** **MI845: Usability and Accessibility**  
Department of Media and Information, Michigan State University

*The students learn to conduct various usability testing strategies. As the class outcome, the students will evaluate usability systems of their choice.*

Spring 2019

**MI845: Usability and Accessibility**

Department of Media and Information, Michigan State University  
*The students learn to conduct various usability testing strategies. As the class outcome, the students will evaluate usability systems of their choice.*

Winter 2018

**MED273: Communicating Biomedical Informatics**

Department of Medicine, UC San Diego  
*The objective of this course is to collectively share strategies in writing papers, grant proposals, and orally present effectively.*

Fall 2017

**MED264: Principles of Biomedical Informatics**

Department of Medicine, UC San Diego  
Gave a guest lecture on "Working with Latinos population in mobile health research"

Fall 2017

**MED277: Introduction to Natural Language Processing**

Department of Medicine, UC San Diego  
Gave a guest lecture on "Facilitating peer-patient network through natural language processing"

Fall 2016

**MED264: Principles of Biomedical Informatics**

Department of Medicine, UC San Diego  
Gave a guest lecture on "Social Media for Biomedical Informatics Research"

Fall 2015

**MED262: Current Trends in Biomedical Informatics**

Department of Medicine, UC San Diego  
Gave a guest lecture on "Visual Media for Patient-Centered Systems"

Fall 2015

**MED264: Principles of Biomedical Informatics**

Department of Medicine, UC San Diego  
Gave a guest lecture on "Social Media for Biomedical Informatics Research"

Spring 2015

**MED277: Introduction to Biomedical Natural Language Processing**

Department of Medicine, UC San Diego  
Gave a guest lecture on NLP problems arise in health-related social media discussions among patients and caregivers. The lecture consisted of 2 classes, where each class was 3 hours long. In the



first class, I introduced my current research with online health communities, looking at classifying patient questions. For the second class, the students did group presentations on their ideas for how NLP can be used to help with online health information seeking activities.

**Spring 2014-2016 CAS850: Health Informatics (online)**

College of Communication Arts and Sciences, Michigan State University

**Spring 2014 TC840: Interaction Design**

Telecommunication, Information Studies, and Media, Michigan State University

**Fall 2012 MEBI591: Designing Online Technologies for Patient Self-Management**

Class Instructor, Biomedical Informatics and Medical Education, University of Washington

This course explores designing online technologies for supporting patient self-management. The goals are to understand: (1) health information needs that emerge during patient self-management, (2) the ways in which current online technologies help (or not help) such information needs to be fulfilled, and (3) what future online technologies may be able to help provide safe and high quality information support for patients.

**Fall 2007-2008 SI501: The Use of Information**

Graduate Student Instructor, School of Information, University of Michigan

The class teaches students about contextual inquiry such as interviewing and observations techniques for project management and consulting organizational work flow. I led discussion sections for both classes in which class materials were reviewed through various forms of materials such as exercises, small group discussions, and Q&A discussions.

**Winter 2006-2007 SI503: Search and Retrieval**

Graduate Student Instructor, School of Information, University of Michigan

The class covers basic understandings towards information search and retrieval behavior, emergent information phenomena on the Web, navigational search, and social and organizational memory. I led discussion sections for both classes in which class materials

were reviewed through various forms of materials such as exercises, small group discussions, and Q&A discussions.

03-07/2003

**High school teacher, Korea National Animation High School**

Designed and taught Graduate Design Studio course for the senior class.

**Design Projects**

2005-2006

**Pangmangi, University of Michigan**

Designed a prototype to support awareness in a public space through animated/interactive simulations and ran a focus group to understand how people perceive unfamiliar computing devices in public spaces.

2004

**Design and HCI, Carnegie Mellon University**

Worked for Jodi Forlizzi, Shelly Evenson, and John Zimmerman to investigate the relationships between Design and HCI. Interviewed HCI faculty and their PhD students at HCII, CMU.

2010

**Group Calendar for a rehabilitation clinic, University of Michigan**

Funded by NSF #IIS 0705103. Worked with the rehabilitation center at the University of Michigan hospital to design preference-based automated scheduling system.

2004

**Vehicle JukeBox, Carnegie Mellon University**

For the graduation project advised by Robert Kraut at CMU, as part of a group project we designed car stereo interface for a major U.S. automobile manufacturer. Part of our design suggestions have been incorporated to a car model on the market in 2005.

2004

**Educational tool in tablet PC, Carnegie Mellon University**

Worked with Ananda Gunawardena to design an educational application using tablet PC that can help students understand data structures in programming.

2004

**E-Book (Mark up tool) Project, Carnegie Mellon University**

Evaluated usability and redesigned the Mark Up Tool Software used on ebooks.

2003

**Building Virtual Worlds (BVW), Carnegie Mellon University**

Advised by Randy Pausch. Built desktop and immersive (Head Mount Display) interactive virtual worlds with a group of interdisciplinary people. My role was a painter (texture designer).

**2003**                    **'Three'**  
Korea National University of Arts Graduation project. 3D Graphic animation. Exhibited at 'The Dropship' Digital Film Show, Seoul, Korea 2003.

**2002**                    **'Will you let them win?'**  
3D Graphic animation. Exhibited at 'Mok Gum Toe Gallery,' Designer's Party 2004. Seoul, Korea

### **University Service**

2022-2023              Tenure-Track Faculty Search Committee, College of Computing and Informatics, Drexel University

2021-Current            A master's degree in Human-Computer Interaction Working Group, College of Computing and Informatics, Drexel University

2020-Current            CCI Research Committee, College of Computing and Informatics, Drexel University.

2019-Current            A master's degree in Health Informatics Working Group, College of Computing and Informatics, Drexel University

2019-Current            MSI Working Group-HCI, College of Computing and Informatics, Drexel University

2019-Current            Co-Director of Master of Science in Health Informatics, Drexel University

2021                      Information Science Department Chair Search Committee, College of Computing and Informatics, Drexel University.

2019-2020              Tenure-Track Faculty Search Committee, College of Computing and Informatics, Drexel University

2018                      Department of Media and Information Undergraduate Curriculum Revision Task Force

2017-2018              UC San Diego Associated Health Professions Education Committee (AHPEC)

2016                      Search Committee for the Director of Biomedical Informatics, UCSD

2014                      Department of Media and Information Undergraduate Curriculum Revision Task Force

2014                      Reviewer for the MSU summer fellowship 2014

2014-2015              The iCARE Lab lead manager

- 2013-2015 MSU Trifecta Intellectual Leader Group Member
- 2013-2015 Undergraduate representative of the College Advisory Council of the Department of Media and Information

### **External Professional Service**

- 2022 ACM Computer-Supported Collaborative Work Area Chair
- 2022 ACM Computer-Supported Collaborative Work Awards Committee
- 2022- Associate Editor at Elsevier Smart Health Journal
- 2022 Co-Chair, American Psychological Association (APA) Committee for Human Research (CHR).
- 2021 NIH SBIR Panelist
- 2021 ACM Human Factors in Computing Systems Area Chair for Health
- 2021 NSF Panelist
- 2020-2021 Committee member, American Psychological Association (APA) Committee for Human Research (CHR).
- 2018-2022 ACM Computer-Supported Collaborative Work Steering Committee
- 2021 ACM Computer-Supported Collaborative Work Conference Area Chair
- 2021 Technical Program Committee. IEEE/ACM Conference on Connected Health Applications, Systems, and Engineering Technologies (CHASE) 2021.
- 2020 Organizing Committee. Workshop on Interactive Systems in Healthcare 2020.
- 2020 Steering Committee. Workshop on Interactive Systems in Healthcare 2020.
- 2020 ACM Human Factors in Computing Systems Area Chair for Understanding People
- 2019 ACM Computer-Supported Collaborative Work Conference program committee
- 2019 The Web Conference Program Committee
- 2019 ACM Human Factors in Computing Systems Area Chair for Design
- 2019 Best Paper Nominee Committee. ACM CHI 2019.
- 2019 NSF Panelist 3 (Panel session name removed per NSF policy)
- 2019 NSF Panelist 2 (Panel session name removed per NSF policy)
- 2019 NSF Panelist 1 (Panel session name removed per NSF policy)
- 2018 NSF Panelist (Panel session name removed per NSF policy)
- 2017 NSF Panelist (Panel session name removed per NSF policy)

- 2018 AMIA 2018 Annual Symposium Scientific Program Committee
- 2017 IEEE Pervasive Health 2017 Program Committee
- 2017 Workshop for Interactive Systems Healthcare 2017 Co-Chair
- 2017 ACM Computer-Supported Collaborative Work Conference program committee
- 2016 ACM Designing Interactive Systems Program Committee
- 2016 AMIA 2016 Annual Symposium Scientific Program Committee
- 2016 Pervasive Health Posters and Demos Co-Chair
- 2015 ACM Human Factors in Computing Systems Area Chair for Special Applications-Health
- 2015 ACM ACM Computer-Supported Collaborative Work Conference program committee
- 2014 ACM Human Factors in Computing Systems Area Chair for Special Applications-Health
- 2013 ACM Human Factors in Computing Systems Area Chair for Special Applications-Health
- 2013 ACM Human Factors in Computing Systems Work-in-progress Program Committee
- 2013 ACM Computer-Supported Collaborative Work Conference program committee
- 2012 ACM Human Factors in Computing Systems Work-In-Progress program committee

### **Review Experience**

BioMed Central, Association of Computing Machinery (ACM) Human factors in computing systems (CHI), NordiCHI, INTERACT, ACM Computer Supported Collaborative Work (CSCW), JCSCW, ACM Designing Interactive Systems, ACM GROUP, Computing Reviews, American Medical Informatics Association (AMIA), Design Research Society, Interacting with Computers, Journal of Medical Internet Research, International Journal of Human-Computer Systems, National Library of Medicine Conference, IEEE Pervasive Health, Book chapter for eHealth, Journal of International Medical Research, Computers in Human Behavior, Media and Society, Journal of Biomedical Informatics, Journal of American Medical Informatics

### **Professional Membership**

Association of Computing Machinery, American Medical Informatics Association, American Psychological Association

## Students

### Doctoral thesis/candidacy committee

|              |  |
|--------------|--|
| 2022-Current | Veena Calambur, Advisor, doctoral student, Drexel University, College of Computing and Informatics                           |
| 2020-Current | Lu Wang, Advisor, doctoral student, Drexel University, College of Computing and Informatics                                  |
| 2019-Current | Diva Smriti, Advisor, doctoral student, Drexel University, College of Computing and Informatics                              |
| 2021-Current | Troy Finamore, Candidacy Committee, doctoral student, Drexel University, College of Computing and Informatics                |
| 2021-Current | Angela Mastrianni, Candidacy Committee, doctoral student, Drexel University, College of Computing and Informatics            |
| 2019         | Drashko Nakikj, External Committee member, Columbia University, Biomedical Informatics<br><i>Postdoc, Harvard University</i> |

### A Master's Degree Committee

|           |  |
|-----------|--|
| 2021      | Meredith Montgomery, HCC Master's Capstone Project Advisor, Drexel University; <i>Experience Designer, Think Company</i>         |
| 2021      | Shirley Qian, HCC Master's Capstone Project Advisor, Drexel University<br><i>PhD student, Northeastern University</i>            |
| 2021      | Kasey Meredith, HCC Master's Capstone Project Advisor, Drexel University<br><i>User Experience Researcher, Chatham Financial</i> |
| 2020-2021 | Rahil Rathod, IS Master's Capstone Project Advisor, Drexel University<br><i>Software Engineer, Tata Consultancy Services</i>     |
| 2020-2021 | Emilia Edwards, HCC Master's Capstone Project Advisor, Drexel University   |
| 2020-2021 | Noor Huda, HCC Master's Capstone Project Advisor, Drexel University  |
| 2019-2020 | Eugenia Chan, MSHI Master's Capstone Project Advisor, Drexel University  |
| 2015      | Tianyu Hu, Master's Committee Chair, Michigan State University, Media and Information  |

*UX Designer & Researcher, Age of Learning, Inc. LABS, Los Angeles, CA*

2015 Shengji Zhou, Master's Committee, Michigan State University, Media and Information  
*User Experience Designer*

**Research Advisee**

2022-Current Kaylie Nguyen, STAR student, Drexel University

2022-Current Lee Scott, HCC master's student, Drexel University, College of Computing

2021-2022 Sukhi Sandhu, HCC master's student, Drexel University, College of Computing  
*Senior Analyst, Experience Strategy & Design, Comcast*

2021-2022 Vincent Savarese, co-op undergraduate student, Drexel University, College of Computing (Funded by SmartCup project)

2021-2022 Mohammed Alam, co-op undergraduate student, Drexel University, College of Computing (Funded by VoiceXML Forum grant)

2021 Summer Vyshnavi Anandan, medical student, Drexel University

2021 Summer Rishabh Matta, medical student, Drexel University

2020-2021 Nadien Zerban, undergraduate student, Drexel University, College of Computing (Funded by Faculty Summer Research Award)

2020 Nishtha Gupta, medical student, Drexel University (STAR Scholar Program)

2020-Current Emily Schramm, medical student, Drexel University (STAR Scholar Program, Funded by DARE, Drexel University)

2020-Current Bogeum Choi, doctoral Student, University of North Carolina, Chapel Hill

2020 Elizabeth Ominsky, undergraduate student, Cornell University (Visiting Scholar)

2020 Hyung-Wook Choi, master's student, Drexel University, College of Computing and Informatics  
*PhD student, Drexel University*

2019-2020 Munif Mujib, doctoral student, Drexel University, College of Computing and Informatics  
*Data Scientist, Cerebras Systems*

2018-2019 Maegan Johnson, undergraduate student, Michigan State University, College of Computer Science and Engineering  
*Software Engineer, Soar Technology, Inc*

2018-2020 Ji Youn Shin, doctoral student, Michigan State University, Media and Information  
*Tenure-Track Assistant Professor, University of Minnesota-Minneapolis*

2018-2020 Minjin Rheu, doctoral student, Michigan State University, Media and Information  
*Tenure-Track Assistant Professor, Loyola University*

2018 Jinghan Ni, undergraduate student, Michigan State University, Media and Information  
*Associate UX Architect, MRM*

2017 Giovanni Troiano, postdoc, University of California San Diego, Department of Medicine, funded by NIH 1U24AI117966  
*Visiting Assistant Professor, Northeastern University*

2017 Yuanyuan Feng, doctoral student, University of Maryland Baltimore County, Information science  
*Tenure-Track Assistant Professor, University of Vermont*

2017 Zhen Liang, undergraduate student, Peking University

2017 Aleksandre Bogotov, undergraduate student, University of California San Diego, Department of Computer Science / Bioinformatics

2017 Stephen Trac, undergraduate student, University of California San Diego, Department of Cognitive Science  
*Business Development Manager, Udacity*

2017 Luz Mascorro, high school student, Preuss High School, San Diego, CA  
*Undergraduate Student, University of California Merced, School of Engineering*

2016-2018 Sid Ambulkar, undergraduate student, University of California San Diego, Bioinformatics, Premed



*Medical student, Northwestern University Feinberg School of Medicine*

- 2016-2017 Brian Kim, undergraduate student, University of California San Diego, Department of Computer Science
- 2016-2017 Raina Ahuja, undergraduate student, University of California San Diego, Department of Computer Science  
*Product Manager, Scribe*
- 2016-2017 Enrique Zavala, undergraduate student, University of California San Diego, Department of Cognitive Science
- 2016-2017 Elmer Barrera, undergraduate student, University of California San Diego, Department of Cognitive Science  
*Experience Designer 2, Adobe*
- 2016-2017 Connie Guan, undergraduate student, University of California San Diego, Department of Cognitive Science  
*Master of CS, UC San Diego*
- 2016-2017 Lizbeth Escobedo, postdoc, University of California San Diego, Department of Medicine, funded by NSF #1622626  
*Assistant Professor, Universidad Tijuana*
- 2016-2017 Tsung-Ting Kuo, postdoc, University of California San Diego, Department of Medicine  
*Assistant Professor, UC San Diego*
- 2016-2017 Elizabeth S Epstein, medical student, University of California San Diego, School of Medicine
- 2016-2017 Meera Reghunathan, medical student, University of California San Diego, School of Medicine
- 2016-2017 Ella Meng, master's student, University of Michigan, University of California San Diego iDASH summer intern
- 2016 Mitchell Boldin, master's student, University of Michigan, University of California San Diego iDASH summer intern
- 2015-2017 Rebecca Marmor, School of Medicine surgical resident, University of California San Diego, Department of Medicine, Biomedical informatics NLM Postdoctoral Fellowship  
*Assistant Professor, Surgery, Johns Hopkins University*

2015-2018 Couri VanDam, doctoral student, Michigan State University,  
College of Computer Science and Engineering  
*Research Scientist, MIT Lincoln Lab*

2015-2016 Jasmine Roberts, doctoral student, University of California San  
Diego, Computer Science  
*Senior XR Engineer, Forbes 30 under 30, Microsoft Research*

2015 Alexandria Trocke, doctoral student, Michigan State University,  
College of Nursing  
*Registered Nurse, St. Joseph Mercy Health System*

2014-2015 Syed Ali Hussain, doctoral student, Michigan State University,  
Department of Journalism  
*Assistant Professor, Arizona State University, Walter Cronkite  
School of Journalism and Mass Communication*

2014-2015 Mengyan Ma, doctoral student, Michigan State University,  
Department of Advertising and Public Relations  
*Tenure-track Assistant Professor, University of Wisconsin-Eau  
Claire*

2014 Kendra Pennings, doctoral student, Michigan State University,  
College of Nursing

2014 Daniel Totzkay, doctoral student, Michigan State University,  
Department of Communication  
*Assistant Professor, West Virginia University Department of  
Communication Studies*

2014 Katie Hoban, undergraduate student, Michigan State University  
Research Analyst, Pilot44 Labs

2014 Justus Grant, undergraduate student, Michigan State University,  
College of Engineering, Served as advisor for ENSURE Program  
*Software Engineer, McKesson*

2013-2015 Shupeii Yuan, doctoral student, Michigan State University,  
Department of Advertising and Public Relations  
*Assistant Professor, Northern Illinois University Department of  
Communication*

2013 Young Jun Sah, doctoral student, Michigan State University,  
Telecommunication  
*Assistant Professor, Seogang University*

