
JINA HUH-YOO, MHCI, PHD

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Keywords

User experience research, health informatics, qualitative research, online communities, social computing, descriptive statistics, basic computational methods for text (NLP, text classification), interaction design, graphic design

Objective

My goal is to design, develop, evaluate, and deploy innovative products that generate positive outcomes for the society. These outcomes can be health improvements, environmental sustainability, or empowerment of those who are marginalized. To achieve this goal, I use qualitative and quantitative research methods to study individuals' perceptions, behaviors, use of systems, and surrounding social, cultural, and technical environments.

Experience

Assistant Professor, Michigan State University, MI — 2018–Present

Department of Media and Information, College of Communication Arts and Sciences
Research ethics educational tool for IRB administrators and researchers | mHealth for midlife adults' diet and 10-year cardiovascular risk | Teach online course, Usability and Accessibility

Assistant Adjunct Professor, UC San Diego, CA — 2015–2018

Division of Biomedical Informatics, Department of Medicine
Lead principal investigator of National Science Foundation (NSF) funded grant (\$1.8M, 2016-2020) to develop and evaluate acoustic sensor based family wellness system | expressive art therapy for college students and inpatients | increase bedside tablet use at UC San Diego Hospital

Assistant Professor, Michigan State University, MI — 2013–2015

Department of Media and Information, College of Communication Arts and Sciences
Principal investigator of National Institutes of Health (NIH) funded career award (\$450K, 2014–2017) to develop automated moderated system for online health communities | Develop and teach online course, Introduction to Health Informatics, Interaction Design

NLM Postdoctoral Fellow, University of Washington, Seattle — 2011–2013

Division of Biomedical and Health Informatics, School of Medicine, Mentor: Wanda Pratt
User needs in online health communities | Peer-mentoring among patients

Intern, IBM Research, Hawthorne, NY — 2007

Social Computing Group, Mentor: Wendy Kellogg
Studied corporate blog use for interdisciplinary collaboration

High school teacher, Korea National Animation High School—2003

Helped Design and taught Graduate Design Studio course for the senior class

Free-lance web designer, Seoul, Korea — 1999 — 2002

Redesigned the website for Information Standardization Valley at the National IT Industry Promotion Agency | Designed online music education website

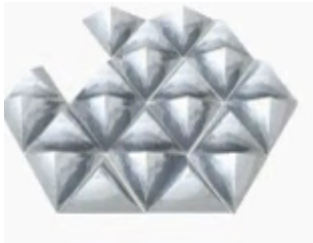
Education

PhD in Information, University of Michigan, Ann Arbor, MI — 2004–2011

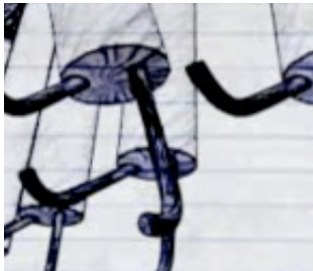
Specializing in Human-Computer Interaction, School of Information, Advisor: Mark S. Ackerman | Thesis: Collaborative Help for Individualized Problems: Learning from the MythTV User Community and Diabetes Support Groups, Funded by NSF #0905460



Awareness system for long distance families (2004)



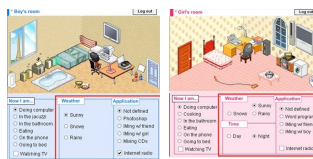
Three | 3D graphic animation (2003)



Will you let them win? Social campaign | 3D graphic animation (2003)



"Sun" tangible UI exercises (2004)



Awareness system for couples (2004)

Masters in HCI, Carnegie Mellon University, PA — 2003—2004

Human-Computer Interaction Institute, School of Computer Science | Graduation Project: In-car juke-box in collaboration with a major US automobile company

BA, Korea National University of Arts, Korea — 1999-2003

Department of Multimedia Design, School of Film and Multimedia | Graduation Project: "Three" 3D graphic animation | Mentor: Yoonhee Chang, Hyungsoo Kim

Selected Grants and Awards

2018 Co-I of NIH 1R01HL136835-01A1 (\$1M) **2017** UC San Diego Health Sciences Academic Senate Grant (\$10K) **2016** Lead PI of NSF #1622626, #1622659 (\$1.8M) | UCSD CTRI Research Development Award | Honorable Mention Award, Quantified Self / Health Data Exploration Meeting RWJF **2015** PI, MSU Trifecta Pilot Research Award (\$10K) | NYU Langone Medical Center/Columbia University Summer Research Training Institute **2013-2014** PI of NIH K01 Career Development (\$450K) | Selection of Best Paper in IMIA Yearbook | 2 Distinguished Paper Awards at AMIA | Honorable Mention Award at ACM CHI | NIH mHealth Summer Institute Scholarship, UCLA **2009-2010** Grace Hopper Underwriters Scholarship (funded by Yahoo!) **2008** Honorable Mention at the Workplay Competition, University of Michigan | NSF Graduate Fellow, Values in Design **1999-2000** Full Scholarship, Korea National University of Arts

Selected Publications

Jina Huh, Jejo Koola, Alejandro Contreras, Alanah KP. Castillo, Melissa Ruiz, Keely, G. Tedone, Melissa Yakuta, Melody K. Schiaffino, Consumer Health Informatics Adoption among Underserved Populations: Thinking beyond the Digital Divide, IMIA Yearbook 2018, In Press.

Courtland VanDam, Shaheen Kanthawala, Wanda Pratt, Joyce Chai, **Jina Huh**, Detecting clinically related content in online patient posts, In Journal of Biomedical Informatics, Volume 75, 2017, Pages 96-106

Rebecca A. Marmor, Wenrui Dai, Xiaoqian Jiang, Shuang Wang, Sarah L Blair, **Jina Huh**. Increase in Contralateral Prophylactic Mastectomy Conversation Online Unrelated to Decision-Making. Journal of Surgical Research 2017. Volume 218, 253 - 260.

Choi MJ, Kim SH, Lee S, Kwon BC, Yi JS, Choo J, **Huh J**. Toward Predicting Social Support Needs in Online Health Social Networks. J Med Internet Res 2017;19(8):e272

Jina Huh, Bum Chul Kwon, Sung-Hee Kim, Sukwon Lee, Jaegul Choo, Jihoon Kim, Min-Je Choi, Ji Soo Yi. 2016. Personas in online health communities. Journal of Biomedical Informatics 63: 212-225

Jina Huh, Rebecca Marmor, and Xiaoqian Jiang. 2016. Lessons Learned for Online Health Community Moderator Roles: A Mixed-Methods Study of Moderators Resigning From WebMD Communities. Journal of medical Internet research 18, 9: e247

Huh, J. Role of Online Health Communities on Clinical Questions Learned from "See your doctor" Threads. ACM CSCW 2015. CSCW '15. ACM, New York, NY, USA, 1488-1499

Huh, J, Liu, L. S., Neogi, T., Inkpen, K., & Pratt, W. (2014). Health Vlogs as Social Support for Chronic Illness Management. ACM Transactions on Computer-Human Interaction, 21(4), 1-31

Skills

Research. Interviews, focus groups, ethnography, participatory design, content analysis, qualitative coding (NVivo, Atlas.ti, Dedoose), contextual inquiry (affinity diagramming, work flow/sequence/artifact models), descriptive statistics, iterative design, years of presentation experience **Design.** Photoshop, Illustrator, hand sketching, rapid prototyping **Software, programming languages, methods.** Proficient—Microsoft Office products, MySQL, R | introductory—Weka, Java, NLP, text classification