

Diva Smriti

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Building conversational agents for informal caregivers aiding in care receivers' health behavior change.

RESEARCH INTERESTS

Human-Computer Interaction, Computer-Supported Cooperative Work, Health Informatics.

EDUCATION

- 2019–2024 (expected) Ph.D. Student in Information Science, Drexel University, Philadelphia, PA
Advisor: Dr. Jina Huh-Yoo | GPA: 3.96
- 2017–2019 M. S. in Human-Computer Interaction (HCI), University of Maryland, College Park, MD
Advisor: Dr. Eun Kyong Choe | GPA: 4.00
- 2011–2015 B.Des. in Design, Indian Institute of Technology Guwahati, India | CPI: 7.73

EMPLOYMENT

- 10/2019–Present Drexel University, Philadelphia, PA
Graduate Research Assistant | Mentor: Dr. Jina Huh-Yoo
Building conversational agent design features for managing health in everyday life.
Target audiences include (1) parents wanting to eat healthy with their children;
(2) informal caregivers of older adults to help manage older adults' health in everyday life.
- 10/2017–05/2019 University of Maryland, College Park, MD
Graduate Research Assistant | Mentor: Dr. Elizabeth Bonsignore
Conducted bi-weekly participatory design research method sessions with children
participants aged 8-12 years as part of Kidsteam.
- 05/2016–09/2016 dishq, Bangalore, India
User Experience Designer
User research of mobile-based application for matching restaurants to users' food likings.
- 07/2015–04/2016 Abzooba India Infotech Pvt. Ltd., Kolkata, India
User Experience Designer
Visualizations for indicating the company's key performance metrics.

HONORS AND AWARDS

- 2021 Google CS Research Mentorship Program (CSRMP) Scholar
- 2021 Student Awardee, NSF SCH PI Workshop: Smart Health in the AI and Covid Era
- 2021 CRA-WP Grad Cohort for Women Workshop
- 2020–21 Grace Hopper Scholarship, Drexel University
- 2020 Cell2Society Aging Research Grant, Drexel University (\$2000)
- 2018 Research Improvement Grant, University of Maryland (\$600)
- 2018 Grace Hopper Scholarship, University of Maryland
- 2018 SOUPS 2018 - Best Poster Award [p1]
- 2011 Top 0.1% in Indian Institute of Technology - Joint Entrance Examination

PUBLICATIONS

Journal Articles (Peer Reviewed)

- j1 Smriti, D., Ambulkar, S., Meng, Q., Kaimal, G., Ramotar, K., Park, S., Huh-Yoo, J. (in press).
Creative Arts Therapies for the Mental Health of Emerging Adults: A Systematic Review.
The Arts in Psychotherapy.

Conference Proceedings (Peer Reviewed)

- c1 Badillo-Urquiola, K., Smriti, D., McNally, B., Bonsignore, E., Golub, E., Wisniewski, P. (2019).
Stranger Danger!: Social Media App Features Co-Designed with Children to Keep Them
Safe Online.
ACM Interaction Design and Children (IDC '19).

Posters (Peer Reviewed)

- p4 Smriti, D., Rathod, R., Huh-Yoo, J. (2021).
Toward Privacy Implications in Developing and Deploying Chatbots in Informatics Research:
Analysis of Chatbot Development Platforms.
The Annual Symposium of American Medical Informatics Association (AMIA '21).
- p3 Kao, T.-S. A., Ling, J., Smriti, D., Shin, J.Y., Peng, W., Huh-Yoo, J. (2021).
The Feasibility of Technology-Adapted Motivational Interviewing (TAMI).
Midwest Nursing Research Society (MNRS) Virtual Annual Research Conference '21.
- p2 Smriti, D., Shin, J.Y., Mujib, M., Colosimo, M., Kao, T.S., Williams, J.R., Huh-Yoo, J. (2020).
TAMICA: Tailorable Autonomous Motivational Interviewing Conversational Agent.
EAI International Conference on Pervasive Computing Technologies for Healthcare
(PervasiveHealth '20).
- p1 Badillo-Urquiola, K., Smriti, D., McNally, B., Bonsignore, E., Golub, E., Wisniewski, P. (2018).
Co-Designing with Children to Address "Stranger Danger" on Musical.ly.
Symposium on Usable Privacy and Security (SOUPS '18). [BEST POSTER]

Workshop Papers and Abstracts (Peer Reviewed)

- w4 Smriti, D., Rathod, R., Huh-Yoo, J. (2021).
Toward Privacy Implications in Developing and Deploying Chatbots: Analysis of Chatbot
Development Platforms.
Workshop: Let's Talk about CUIs: Putting Conversational User Interface Design Into Practice.
ACM Human Factors in Computing Systems (CHI '21).
- w3 Smriti, D., Shin, J.Y., Mujib, M., Colosimo, M., Kao, T.S., Williams, J.R., Huh-Yoo, J. (2020).
TAMICA: Tailorable Autonomous Motivational Interviewing Conversational Agent.
Workshop: Conversational Agents for Health and Well-being.
ACM Human Factors in Computing Systems (CHI '20).
- w2 Smriti, D., DiMaria-Ghalili, R. A., Gitlin, L. N., Sarcevic, A., Yan, E., Huh-Yoo, J. (2020).
Information Quality Assessment Framework for Online Dementia Care Resources.
The Gerontological Society of America (GSA) 2020 Annual Scientific Meeting.
- w1 Mastrianni, A., Smriti, D.* (2020).
Exploring the Effect of Social Connections on Transactional Behaviors in Venmo.
Americas Conference on Information Systems (AMCIS 2020) TREOs.

*The author(s) who contributed equally as the first author.

PRESENTATIONS AND INVITED TALKS

- 03/2021 Designing Conversational Agents for Health Management.
Drexel CHI User Experience Club, Philadelphia, PA.
- 04/2020 TAMICA: Tailorable Autonomous Motivational Interviewing Conversational Agent.
Oral Presentation at Drexel Emerging Graduate Scholars Conference, Philadelphia, PA.

PROFESSIONAL SERVICES

Reviewer

- ACM Human Factors in Computing Systems (CHI) 2021, 2022 (Full papers, Late-Breaking Works)
- The Annual Symposium of American Medical Informatics Association (AMIA) 2020, 2021 (Full papers, Posters)
- ACM Interaction Design and Children (IDC) 2021 (Short Papers)
- ACM Computer-Supported Cooperative Work and Social Computing (CSCW) 2021 (Full papers)

Student Volunteer

- ACM Human Factors in Computing Systems (CHI) 2020
- ACM Computer-Supported Cooperative Work and Social Computing (CSCW) 2020

LEADERSHIP

- 2021–22 Vice President, Doctoral Students Association, College of Computing & Informatics, Drexel University
- 2020–21 Treasurer, Doctoral Students Association, College of Computing & Informatics, Drexel University
- 2019–20 Graduate Mentor for Undergraduate Students, Drexel Women in Computing Society
- 2018–19 Graduate Mentor for 2018 HCI Masters Students, University of Maryland, College Park

STUDENTS MENTORING

- 2021 Amoh Kwaku, Masters student, Drexel University, College of Computing and Informatics
- 2020–21 Rahil Rathod, Masters student, Drexel University, College of Computing and Informatics
- 2020 Nadien Zerban, Undergraduate student, Drexel University, College of Computing and Informatics
- 2020 Katelyn Moore, Undergraduate student, Drexel University, College of Biomedical Engineering, Science and Health Systems

SKILLS

- Research Participatory design, diary study, observation, survey, interview, contextual inquiry, qualitative data analysis, descriptive statistics, inferential statistics.
- Design Rapid prototyping, empathy mapping, card sorting, wireframing, usability testing.
- Code HTML, CSS, JavaScript, jQuery, Python, SQL, C/C++.
- Software NVivo, SPSS Statistical Analysis, Adobe Creative Suite, Balsamiq, Invision, Figma, Tableau.