

Diva Smriti

College of Computing and Informatics
Drexel University, Philadelphia, PA
diva.smriti@drexel.edu
<https://divasmriti.github.io/>

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

RESEARCH INTERESTS

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

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
- 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)
- 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

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]

Abstracts and Workshop Papers (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.

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.

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

PROFESSIONAL SERVICES

Reviewer

ACM Human Factors in Computing Systems (CHI) 2021 (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

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.