Qiaosi Wang

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Research Interests: human-centered AI, human-AI interaction, HCI, CSCW, conversational agent, online community, and the design, understanding, and impact of agent-mediated communication.

EDUCATION

Aug 2018 — Present

Georgia Institute of Technology | Atlanta, GA
Ph.D. student in Human Centered Computing
Specialization: Cognitive Science
Advisor: Dr. Ashok Goel
GPA: 4.0/4.0

Aug 2013 — June 2018

University of Washington | Seattle, WA
B.S. in Informatics and Psychology
GPA: 3.76/4.0 (Cum Laude - Top 10% in Class)

HONORS & AWARDS

Aug 2020 Best Student Paper Award at Learning@Scale '20

Feb 2020 Semifinalist in IBM AI XPrize Competition - emPrize Team

June 2019 Best Paper Award at DIS '19

June 2018 University of Washington Dean's List (10 quarters)

April 2017 "Most Social Impact" award from Sustainability Hackathon

Sept 2016 Psi Chi - International Psychology Honor Society

PUBLICATIONS

Referred Conference Proceedings

Qiaosi Wang, Koustuv Saha, Eric Gregori, David Joyner, Ashok Goel. 2021. Towards Mutual Theory of Mind in Human-AI Interaction: How Language Reflects What Students Perceive About a Virtual Teaching Assistant. Conditionally Accepted at the ACM Conference on Human Factors in Computing Systems (CHI '21). ACM, Virtual Event. (Acceptance rate: 26.3%)

Qiaosi Wang, Shan Jing, David Joyner, Lauren Wilcox, Hong Li, Thomas Ploetz, Betsy Disalvo. 2020. Sensing Affect to Empower Students: Learner Perspectives on Affect-Sensitive Technology in Large Educational Contexts. In Proceedings of the ACM Conference on Learning at Scale 2020 (L@S '20). ACM, Virtual Event, USA. http://dx.doi.org/10.1145/10.1145/3386527.3405917. (Acceptance rate: 21%)
Best Student Paper Award

David Joyner, **Qiaosi Wang**, Suyash Thakare, Shan Jing, Ashok Goel, Blair MacIntyre. 2020. The Synchronicity Paradox in Online Education. In Proceedings of the ACM Conference on Learning at Scale 2020 (L@S '20). ACM, Virtual Event, USA. https://-doi.org/10.1145/3386527.3405922. (Acceptance rate: 21%)

Lauren Wilcox, Betsy DiSalvo, Dick Henneman, and **Qiaosi Wang**. 2019. Design in the HCI Classroom: Setting a Research Agenda. In Proceedings of the 2019 on Designing Interactive Systems Conference (DIS '19). ACM, New York, NY, USA, 871-883. DOI: https://doi.org/10.1145/3322276.3322381 (Acceptance rate: 25%)
Best Paper Award

Referred Journal Articles	Chia-Fang Chung, **Qiaosi Wang**, Jessica Schroeder, Allison Cole, Jasmine Zia, James Fogarty, and Sean A. Munson. 2019. Identifying and Planning for Individualized Change: Patient Provider Collaboration Using Lightweight Food Diaries in Healthy Eating and Irritable Bowel Syndrome. PACM Interact. Mob. Wearable Ubiquitous Technol. 3, 1, Article 7 (March 2019), 23 pages. https://doi.org/10.1145/3314394
Abstracts & Extended Abstracts	**Qiaosi Wang**, Shan Jing, Ida Camacho, David Joyner, Ashok Goel. 2020. Jill Watson SA: Design and Evaluation of a Virtual Agent to Build Communities Among Online Learners. In Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems (CHI EA '20). Association for Computing Machinery, Honolulu, HI, USA. DOI: https://doi.org/10.1145/3334480.3382878. (Acceptance rate: 41.8%)
Workshop Papers	**Qiaosi Wang**, Ida Camacho, Ashok Goel. 2020. Designing for Agent-Mediated Online Social Connections: Lessons Learned and Potential Challenges. Presenting at CUI@CSCW: Collaborating Through Conversational User Interfaces Workshop at the 2020 ACM Computer-supported Cooperative Work and Social Computing (CSCW) Virtual Conference.
Others	Sean A. Munson, Chia-Fang Chung, Julie Kientz, James Fogarty, Jasmine Zia, Allison Cole, Jessica Schroeder, Ravi Karkar, **Qiaosi Wang**, Roger Vilardaga. (2017). Mobile Apps for Generating and Sharing Food-Related Data. Collaborative Healthcare Using Patient-Generated Data. R.Reos Partners, Robert Wood Johnson Foundation. December 2017. Retrieved from: https://reospartners.com/projects/collaborative-healthcare-using-patient-generated-data/

TALKS & PRESENTATIONS

May 2018	"Novel Photo-Based Food Diaries to Support Patient-Provider Collaboration". *Oral Presentation* 21st Annual Undergraduate Research Symposium, University of Washington.
Feb 2018	"Foodprint: Supporting Better Food-related Data Generation & Sharing". *Poster presentation* 2018 HCDE Research Showcase, University of Washington.

May 2016 | "Tonic Immobility and Maladaptive Cognitions as Predictors of Sexual Revictimization among College Women". *Poster presentation*.
19th Annual Undergraduate Research Symposium, University of Washington.

RESEARCH EXPERIENCE (Selected)

July 2019
Present

School of Interactive Computing, Georgia Institute of Technology, Atlanta, GA
Role: Graduate Research Assistant
Collaborators: Ashok Goel, David Joyner, Ida Camacho, Shan Jing
Subject Matter: Researching the design and development of human-centered conversational agents to failitate online learners' community-building process. Methods include semi-structured interview, survey, and co-design.

June 2019
Present

School of Interactive Computing, Georgia Institute of Technology, Atlanta, GA
Role: Graduate Research Assistant
Collaborators: Ashok Goel, David Joyner, Koustuv Saha
Subject Matter: Researching the feasibility of automatically building mutual understanding of each other in human-agent interaction through language analysis. Analyzing long-term changes in online students' perceptions of conversational agents, and using conversational cues to predict students' perception of the agent. Methods include survey and NLP.

Aug 2018
Sep 2019

School of Interactive Computing, Georgia Institute of Technology, Atlanta, GA
Role: Graduate Research Assistant
Collaborators: Betsy DiSalvo, Lauren Wilcox, Thomas Ploetz, David Joyner, Hong Li
Subject Matter: Researched students' perspectives on the design of affect-sensitive wearables. Identified and highlighted the perceived ethical and privacy issues with student affect data use and design implications for affect sensors in large-scale educational settings. through survey and semi-structured interview.

Aug 2017
Dec 2017

Human-Centered Design & Engineering, University of Washington, Seattle, WA
Role: Undergraduate Research Assistant
Collaborators: Sean Munson, Chia-Fang Chung
Subject Matter: Explored the effectiveness of electronic photo-based food diary in supporting patient-provider collaboration among patients with Irritable Bower Syndrome (IBS) through semi-structured interviews.

Jun 2017
Sep 2017

Human-Centered Design & Engineering, University of Washington, Seattle, WA
Role: Undergraduate Research Assistant
Collaborators: Julie Kientz, Hyewon Suh
Subject Matter: Worked on designing user value scale to measure users' perceived value in computing technoloogies through survey and semi-structured interview

TEACHING EXPERIENCE

Summer 2020 | **Graduate Teaching Assistant, Georgia Institute of Technology**
CS6795 Introduction to Cognitive science (Dr. Michael Helms)
Overall effectiveness: 4.8/5.0

Summer 2019 | **Graduate Teaching Assistant, Georgia Institute of Technology**
CS6795 Introduction to Cognitive science (Dr. Michael Helms)
Overall effectiveness: 4.8/5.0

COMMUNITY SERVICES

Peer-review | CHI: 2019, 2020
CSCW: 2020
DIS: 2019
CogSci: 2020

Volunteer | Student volunteer: DIS 2019, CSCW2020

Georgia Tech | **Facilitator for HCC Program PhD Seminar,** Fall 2020
Lab Manager, Design & Intelligence Lab

UW | **Undergraduate Research Leader,** Undergraduate Research Program
Event Coordinator, UW Psi Chi Honor Society
Student Mentor, International Student Mentorship Program
Facilitator, Foundation of International Understanding Through Students (FIUTS)

SKILLS

Design | prototyping, wireframing, sketching, storyboarding, participatory design

Research | interview, survey, affinity diagram, open coding, contextual inquiry, observational study, A/B test, usability testing, statistical analysis (inferential and descriptive), hypothesis testing, experiment design, Natural Language Processing (NLP)

Programming | Java, Python, R, HTML, CSS, JavaScript, Swift, SQL

Tools | Adobe Illustrator, Adobe XD, Adobe Lightroom, Figma, InVision, SPSS, RStudio, Qualtrics, SurveyGizmo