

Qiaosi Wang

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🌐 <http://qiaosiwang.me>

Research Interests: human-centered AI, human-AI interaction, conversational agent, socially intelligent AI, Theory of Mind theory

EDUCATION

Aug 2018 | **Georgia Institute of Technology** | Atlanta, GA
Present | Ph.D. student in Human Centered Computing
Specialization: Cognitive Science
Advisor: Dr. Ashok Goel
GPA: 4.0/4.0

Aug 2013 | **University of Washington** | Seattle, WA
June 2018 | B.S. in Informatics and Psychology
GPA: 3.76/4.0 (Cum Laude - Top 20% in Class)

HONORS & AWARDS

Nov 2021 | Georgia Tech GVU Center 2021 Foley Scholar Winner
Aug 2021 | Georgia Tech GVU Center 2021 Foley Scholar Finalist
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 & PRESENTATIONS

Referred | **Qiaosi Wang**, Ida Camacho, Shan Jing, Ashok Goel. 2022. Understanding the Design Space
Journal | of AI-Mediated Social Interaction in Online Learning: Challenges and Opportunities.
Articles | Accepted to the Proceedings of the ACM on Human-Computer Interaction, CSCW (PACM HCI). To be presented at CSCW 2022.

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>

- Invited Book Chapter : **Qiaosi Wang**, Ida Camacho, Ashok Goel. 2021. Investigating the Potential of AI-based Social Matching Systems to Facilitate Social Interaction Among Online Learner. To appear in Social and Emotional Learning – An Inclusive Learning Analytics Perspective. Springer. 2021.
- 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. In Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '21). ACM, Virtual Event, USA. <https://doi.org/10.1145/3411764.3445645> (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: 25%)
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: 25%)
- 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
- 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/>

RESEARCH EXPERIENCE

- Aug 2018
Present : **Graduate Research Assistant. School of Interactive Computing, Georgia Tech.**
Advised by Dr. Ashok Goel as a PhD student in Human-Centered Computing. My specialization is cognitive science. I am broadly interested in human-AI interaction, design research, and conversational agents. More specifically, my research focuses on leveraging cognitive science theory to design shared mutual understanding between humans and AI systems. I take a mixed-methods approach in my research and the methods I commonly use are semi-structured interview, survey, co-design, natural language processing, etc.
- May 2021
Aug 2021 : **Research Intern. IBM Research Almaden Lab.**
Worked with Eric Liu, Dr. Robert Moore, and Dr. Guang-Jie Ren. I conducted design research to understand how sellers in B2B environment record, share, and use client interaction information through semi-structured interviews with seven practitioners in B2B sales. Findings from this internship project has influenced the team's direction in building human-centered AI technology to facilitate sellers' selling practices. Received return intern offer for summer 2022.
- Jun 2017
Dec 2017 : **Undergraduate Research Assistant. HCDE, University of Washington.**
Advised by Dr. Sean Munson and Dr. Julie Kientz. I assisted in several HCI research projects. In one project I explored the effectiveness of electronic photo-based food diary in supporting patient-provider collaboration among patients with Irritable Bowel Syndrome (IBS) through semi-structured interviews. In another project I worked on designing user value scale to measure users' perceived value in computing technologies through survey and semi-structured interview

TEACHING EXPERIENCE

- Spring
2021 : **Online Course Development Teaching Assistant, Georgia Institute of Technology**
OMSCS - CS6795 Introduction to Cognitive science (Dr. Ashok Goel)
- 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 : **Conferences:** CHI (2019, 2020, 2021, 2022), CSCW (2021*, 2022), DIS (2019), CogSci (2020) **Recognition for Outstanding Review*
Journals: ACM Transactions on Interactive Intelligent Systems (TiiS), International Journal of Human-Computer Studies (IJHCS)
- Volunteer : **Student volunteer:** DIS 2019, CSCW2020 (virtual), CHI 2021 (virtual)
- 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)

INVITED TALKS AND PANELS

July 2021 : Invited panelist on “How Will AI Transform Teaching and Learning?” hosted by The Chronicle of Higher Education.

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

PRESS COVERAGE

June 2021 : EdTech Higher Education Magazine. *Q&A: Georgia Tech Researcher Discusses How AI can Improve Student Success.* [\[Link\]](#)

May 2021 : Georgia Tech News. *New Language Model Uses Texts to Predict How Groups of People Perceive AI Agents.* [\[Link\]](#)