

# Qiaosi Wang

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📅 <http://qiaosiwang.me>

**Research Interests:** virtual agent, online community, online learning, human-centered AI, human-AI collaboration, human-computer interaction, and the understanding, use, and impact of virtual agent in online community-building.

## 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

Feb 2020 | Semifinalist in IBM AI XPrize Competition - emPrize Team  
June 2019 | Best Paper Award (Top 1% of papers) 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, 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, Atlanta, GA, USA. (Accepted)

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, Atlanta, GA, USA. (Accepted)

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 (Top 1% of papers)*

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|--------------------------------|---|
| Referred Journal Articles      | Chia-Fang Chung, <b>Qiaosi Wang</b> , 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. <i>PACM Interact. Mob. Wearable Ubiquitous Technol.</i> 3, 1, Article 7 (March 2019), 23 pages. <a href="https://doi.org/10.1145/3314394">https://doi.org/10.1145/3314394</a>  |
| Abstracts & Extended Abstracts | <b>Qiaosi Wang</b> , 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: <a href="https://doi.org/10.1145/3334480.3382878">https://doi.org/10.1145/3334480.3382878</a> . (Acceptance rate: 41.8%)  |
| Others                         | Sean A. Munson, Chia-Fang Chung, Julie Kientz, James Fogarty, Jasmine Zia, Allison Cole, Jessica Schroeder, Ravi Karkar, <b>Qiaosi Wang</b> , 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: <a href="https://reospartners.com/projects/collaborative-healthcare-using-patient-generated-data/">https://reospartners.com/projects/collaborative-healthcare-using-patient-generated-data/</a> |

## TALKS & PRESENTATIONS

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| May 2018 | “Novel Photo-Based Food Diaries to Support Patient-Provider Collaboration”.<br><i>Oral Presentation</i><br>21st Annual Undergraduate Research Symposium, University of Washington.                                 |
| Feb 2018 | “Foodprint: Supporting Better Food-related Data Generation & Sharing”.<br><i>Poster presentation</i><br>2018 HCDE Research Showcase, University of Washington.   |
| May 2016 | “Tonic Immobility and Maladaptive Cognitions as Predictors of Sexual Revictimization among College Women”. <i>Poster presentation</i> .<br>19th Annual Undergraduate Research Symposium, University of Washington. |

## RESEARCH EXPERIENCE (Selected)

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|----------------------|---|
| July 2019<br>Present | School of Interactive Computing, Georgia Institute of Technology, Atlanta, GA<br>Role: Graduate Research Assistant<br>Collaborators: Ashok Goel, David Joyner, Ida Camacho, Shan Jing<br>Subject Matter: Researching the design and development of human-centered virtual agent to facilitate online learners’ community-building process through semi-structured interview, survey, quasi-experiment, and NLP. |
| June 2018<br>Present | School of Interactive Computing, Georgia Institute of Technology, Atlanta, GA<br>Role: Graduate Research Assistant<br>Collaborators: Ashok Goel, David Joyner, Koustuv Saha<br>Subject Matter: Researching the feasibility of using NLP to measure and predict online students’ perception and attitudes of virtual teaching assistants through conversational cues.  |

- Aug 2018 : **School of Interactive Computing, Georgia Institute of Technology, Atlanta, GA**  
 Sep 2019 :  
 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 and the ethical and privacy issues with student affect data use in large-scale educational settings through survey and semi-structured interview.
- Aug 2017 : **Human-Centered Design & Engineering, University of Washington, Seattle, WA**  
 Dec 2017 :  
 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 Bowel Syndrome (IBS) through semi-structured interview.
- Jun 2017 : **Human-Centered Design & Engineering, University of Washington, Seattle, WA**  
 Sep 2017 :  
 Collaborators: Julie Kientz, Hyewon Suh  
 Role: Undergraduate Research Assistant  
 Subject Matter: Worked on designing user value scale to measure users' perceived value in computing technologies through survey and semi-structured interview

## TEACHING EXPERIENCE

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

## COMMUNITY SERVICES

- Peer-review : **CHI: 2019 -**  
**DIS: 2019 -**  
**CogSci: 2020 -**
- Volunteer : **Student volunteer: DIS 2019, CHI 2020**
- 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, 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