

# Qiaosi Wang

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## 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

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

## RESEARCH EXPERIENCE (selected)

July 2019  
Present | **Graduate Research Assistant | Atlanta, GA**  
School of Interactive Computing, Georgia Institute of Technology  
*Subject Matter: Designing and evaluating AI agent for community building in online education*  
*Collaborators: Ashok Goel, David Joyner, Marissa Gonzales*  
We are exploring designing and developing AI agent to help online learners build communities and social connections. We are interested in whether the community-building AI agent can help improve students' feeling of social presence. I conducted literature review on community building in online learning, situated learning, social cognitive theories; Designing experiments to evaluate community-building agent.

Mar 2018  
Present | **Graduate Research Assistant | Atlanta, GA**  
School of Interactive Computing, Georgia Institute of Technology  
*Subject Matter: Exploring longitudinal changes in students' mental model about virtual teaching assistant*  
*Collaborators: Ashok Goel, David Joyner, Marissa Gonzales*  
We are exploring the longitudinal changes in students' perceptions about a virtual teaching assistant (VTA) operating on Piazza forum answering students' questions about the class. We are also interested in drawing a correlation between students' mental model and their interaction pattern with the VTA on Piazza forum. I conducted literature review on human-AI interaction and technology perceptions; Composed IRB protocol; Designed bi-weekly surveys to measure students' perception about the agent; Conducted statistical analysis to infer changes of students' perception about the agent; Conducted qualitative coding to infer students' longitudinal changes in mental model about VTA

Aug 2018  
Present | **Graduate Research Assistant | Atlanta, GA**  
School of Interactive Computing, Georgia Institute of Technology  
*Subject Matter: Leveraging behavioral and physiological feedback in the design of affect-sensitive distance learning*  
*Collaborators: Betsy Disalvo, Lauren Wilcox, Thomas Ploetz, David Joyner, Hong Li*  
We are working on exploring the feasibility of leveraging wearable technology and other types of sensing data to gather more context about online learners. Specifically, I am interested in the design of affect-sensitive wearables in education settings as well as the ethical and privacy issues with wearable data use. I designed *interview* protocol and *Ecological Momentary Assessment (EMA) surveys*; Conducted *survey testing* on Qualtrics and *recruitment* in pilot study; Composed IRB protocols; Designed and conducted in-class observational study; Interviewed 11 participants about use of wearable device in educational settings; Conducted open-coding with interview data; Designed survey to understand students' attitudes and opinions about the design of wearables and emotion data use

- Jan 2018  
Mar 2018
- Undergraduate Research Assistant | Seattle, WA**  
Information School, University of Washington
- Subject Matter: NatureCollections: Can a mobile app connect kids with nature?*  
*Collaborators: Katie Davis, Saba Kawas*
- We worked on evaluating the effectiveness of a mobile application in connecting kids to nature. I brainstormed study procedures and *designed interview protocol*; Led several *observational study* sessions, conducted *focus groups, surveys, and contextual inquiry* to gain kids' opinion on the mobile application; Cleaned and analyzed video data using *interaction analysis*.
- Aug 2017  
Dec 2017
- Undergraduate Research Assistant | Seattle, WA**  
Department of Human-Centered Design & Engineering, University of Washington
- Subject Matter: Leveraging personal informatics data to support people's healthy eating goal*  
*Collaborators: Sean Munson, Chia-Fang Chung*
- Worked on exploring the effectiveness of electronic photo-based food diary in supporting people's various healthy eating goals. Generated paper prototypes by sketching out design ideas for systems to track and display people's food intake; Designed and composed the prototype use instruction; Composed screening survey on SurveyGizmo; Scheduled participant and health experts interviews; Analyzed data using *qualitative methods* such as *affinity diagram*; Conducted literature review.
- Jun 2017  
Sep 2017
- Undergraduate Research Assistant | Seattle, WA**  
Department of Human-Centered Design & Engineering, University of Washington
- Subject Matter: Supporting patient-provider collaboration around personal informatics data*  
*Collaborators: Sean Munson, Chia-Fang Chung*
- Worked on exploring the effectiveness of electronic photo-based food diary in supporting patient-provider collaboration. Leveraged the photo-based food journal prototype as a *technology probe* to understand patient and provider needs; *Scheduled and conducted interviews* with 17 patient-provider pairs; Analyzed data using *qualitative methods* such as *affinity diagram*; Conducted literature review; Composed a project write-up and participated in the paper-writing process.
- Jun 2017  
Sep 2017
- Undergraduate Research Assistant | Seattle, WA**  
Department of Human-Centered Design & Engineering, University of Washington
- Subject Matter: Developing a validated measure of user value in computing system*  
*Collaborators: Julie Kientz, Hyewon Suh*
- Worked on designing a user value scale to measure users' perceived value in computing technologies, and how it affect users choices of technology adoption; Brainstormed and defined initial user values through *affinity diagram*; Designed *interview protocols* and *survey questions*; Participated in *participant recruitment*; Conducted *literature review* and *pilot interviews*; Familiarized myself with *Amazon Mechanical Turk(AMT)* and help distributed surveys

## PUBLICATIONS

- Referred  
Conference  
Proceedings
- 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)**
- 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>
- 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.

## TEACHING EXPERIENCE

- Summer 2019 : Graduate Teaching Assistant, Georgia Institute of Technology  
CS6795 Introduction to Cognitive science (Dr. Michael Helms)

## COMMUNITY SERVICES

- Peer-review : DIS: 2019 -
- Volunteer : Student volunteer: DIS 2019
- 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
- Research : interview, survey, affinity diagram, interaction analysis, contextual inquiry, observational study, A/B test, usability test, statistical analysis, hypothesis testing, experiment design
- Programming : Java, Python, R, HTML, CSS, JavaScript, Swift, SQL
- Tools : Adobe Illustrator, Adobe XD, Adobe Lightroom, Figma, InVision, SPSS, RStudio, Qualtrics, Survey-Gizmo