Qiaosi Wang

qswang@gatech.edu
1-206-495-5129
http://qiaosiwang.me

EDUCATION

Aug 2018 – Present | **Georgia Institute of Technology** | Atlanta, GA
Ph.D. student in Human Centered Computing
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 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

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 operating on Piazza forum, and how it correlates with students' interaction pattern with the agent. 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 on Canvas.

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: Lauren Wilcox, Betsy Disalvo, Thomas Ploetz, 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. 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.

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

Sep 2015
May 2016

Individual Research Project | Seattle, WA

Center for the Study of Health and Risky Behaviors, University of Washington

Subject Matter: Tonic immobility and maladaptive cognitions as predictors of sexual revictimization among college women
Collaborators: Debra Kaysen

Women who experienced sexual assault are two to three times more likely to experience sexual revictimization. We thus hypothesized tonic immobility and maladaptive cognition after the event could predict sexual revictimization. We gathered our data through an existing larger study. I composed and designed a research poster; Brainstormed research ideas and hypothesis; Conducted statistical analysis and hypothesis testing. This project was presented at the annual undergraduate research symposium.

PUBLICATIONS

Referred Conference Proceedings

Lauren Wilcox, Betsy Disalvo, Richard Henneman, Qiaosi Wang. 2019. Design in the HCI Classroom: Setting a Research Agenda. *In Proceedings of the ACM Conference on Designing Interactive Systems (DIS '19).* ACM, San Diego, CA, USA. (Acceptance rate: 25%)

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.

COMMUNITY SERVICES

Oct 2017 – June 2018 | **Undergraduate Research Leader** | Seattle, WA
Undergraduate Research Program, University of Washington

Sept 2016 – Mar 2017 | **Event Coordinator** | Seattle, WA
UW Psi Chi Honor Society, University of Washington

May 2016 – Mar 2017 | **Student Mentor** | Seattle, WA
International Student Mentorship Program, University of Washington

Jan 2015 – Mar 2015 | **Facilitator** | Seattle, WA
Foundation of International Understanding Through Students (FIUTS), University of Washington

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, SurveyGizmo