Qiaosi Wang

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RESEARCH INTERESTS

Design technology for health and wellbeing, behavior change, mental health, personal health informatics, human-computer interaction

EDUCATION

Georgia Institute of Technology   Atlanta, GA
Ph.D. in **Human-Centered Computing**   Fall 2018 - Present
Adviser: Lauren Wilcox

University of Washington   Seattle, WA
Bachelor of Science in **Informatics** and **Psychology**   Spring 2018
Overall GPA: 3.76/4.0

HONORS AND AWARDS

University of Washington Dean's List (9 quarters)
Psi Chi - International Psychology Honor Society

RESEARCH EXPERIENCE

University of Washington Information School   Seattle, WA
Undergraduate Research Assistant   January 2018 – March 2018
Subject Matter: NatureCollections: Can a Mobile App Connect Kids with Nature?
Supervisor: Dr. Katie Davis
- Brainstormed ideas on observational study design and wrote up research documents
- Conducted 2 observational study sessions with 40 kids to evaluate the effectiveness of NatureCollections mobile app at connecting kids with nature
- Conducted in-app surveys and focus groups with 8 kids at the end of the study sessions
- Cleaned and analyzed video data by leveraging interaction analysis method

University of Washington   Seattle, WA
Department of Human Centered Design and Engineering(HCDE)   August 2017 – December 2017
Undergraduate Research Assistant
Subject Matter: Leveraging Personal Informatics Data to Support People's Healthy Eating Goal
Supervisor: Dr. Sean Munson
- Generated and sketched out various design ideas for systems supporting healthy eating
- Designed and made the application instruction and screening survey on SurveyGizmo
- Designed and composed initial interview questions to support participants' tracking habits
- Scheduled 20 participant and health expert interviews by communicating with multiple parties
- Conducted 10 individual and together interviews with participant and health experts to gain insights on their use of photo food data through collaboration

University of Washington   Seattle, WA
Department of Human Centered Design and Engineering(HCDE)   June 2017 – September 2017
Undergraduate Research Assistant

Subject Matter: Supporting Patient and Provider Collaboration Around Personal Informatics Data
Supervisor: Dr. Sean Munson
- Conducted 17 patient and provider interviews to understand their collaboration experience
- Reviewed 30 academic articles to understand patient-provider collaboration and personal informatics data in clinical setting
- Conducted qualitative data analysis using affinity diagram
- Generated study report and helped with writing CHI 2018 paper

University of Washington   Seattle, WA
Department of Human Centered Design and Engineering(HCDE)   June 2017 - September 2017
Undergraduate Research Assistant
Subject Matter: Developing a Validated Measure of User Value in Computing System
Supervisor: Dr. Julie Kientz
- Brainstormed and defined initial user values through weekly meetings
- Reviewed 25 academic articles investigating proposed user values
- Designed interview questions and initial questionnaire to validate proposed user values
- Conducted pilot interviews to validate interview questions
- Assisted with writing CHI 2018 paper submission

University of Washington Information School   Seattle, WA
iSchool Qualitative Research Practicum   January 2017 – June 2017
Undergraduate Research Assistant
Subject matter: Study and Analysis of the Cascadia Rising 2016 Exercise
Supervisor: Dr. Hans J. Scholl
- Conducted online interviews with county representatives to understand their experience
- Transcribed interviews using ExpressScribe to provide physical data for further data coding
- Coded data in qualitative analysis tool Dedoose based on various research interests

University of Washington Department of Psychology   Seattle, WA
Center for the Study of Health and Risky Behaviors(CSHRB)   June 2015 – January 2017
Undergraduate Research Assistant
Subject matter: Alcohol and PTSD Treatment(APT) Study
Supervisor: Dr. Debra Kaysen
- Led the data entry task and set up SPSS database for more efficient future data analysis
- Addressed problems on data entry to ensure data accuracy
- Recruited hundreds of subjects by putting up posters, handing out flyers and souvenirs

University of Washington Department of Psychology   Seattle, WA
19th Undergraduate Research Symposium   May, 2016
Individual Research Project
Subject Matter: "Tonic Immobility and Maladaptive Cognitions as Predictors of Sexual Revictimization among College Women"
Supervisor: Dr. Debra Kaysen
- Evaluated and summarized 25 academic journals through PsychINFO, Google scholar and university library system to provide research backgrounds and ideas
- Generated research ideas, designed research topic and composed research poster

- Presented the project and led the Q&A session with audience from varying background at the symposium

University of Washington Department of Psychology   Seattle, WA
Center for the Study of Health and Risky Behaviors(CSHRB)   March 2015 – June 2015
Undergraduate Research Assistant
Subject Matter: Alcohol-related risk intervention(EPIC) and Social norms and prevention(SNAP) study
Supervisor: Dr. Melissa Lewis, Dr. Clayton Neighbors
- Conducted SNAP and EPIC baseline testing to ensure accuracy of survey questionnaires
- Reviewed and summarized academic journals to provide research ideas and evidence on research background
- Completed HIPPA training and CITI Program training

CLASS PROJECTS

Information School
Language++ – Client-Side Web Development Project   Autumn 2017
- A Web app to help language learners translate and store new vocabularies they encounter
- Implemented flash card and quiz feature to assist learning
- Built with ReactJS, Firebase and Google Translate API

Crime Database – Introduction to Relational Database Management Project   Spring 2017
- A SQL database that keeps records of the crimes happening around campus
- Brainstormed all the entities and their relationship then composed the Entity Relationship Diagram(ERD) using Visio 2014 and LucidChart
- Coded the database in SQL based on improved ERD on Microsoft SQL Server

Foodie Map – Technical Foundations Project   Spring 2017
- A shiny application that can show various bubble maps based on different ratings, popularity and cuisines using Yelp's API
- Built the shiny application using RStudio's shiny framework
- Created different heat maps using R's ggplot and plotly packages
- Used libraries such as dplyr for data wrangling

OneCapAway – Design Thinking Project   Winter 2017
- A design project aimed to solve the problem of commuters not being able to get on the bus because it's too crowded
- This project was designed to show users real-time bus capacity statistics, trends and historical data
- Built low-fidelity and high-fidelity prototype using Figma and Invision
- Wrote the design details and ideas on the design specification for implementation team

Sustainability Hackathon
FEED *(Won "Most Social Impact" Award)*   April 2017
- A solution to one of the "17 United Nation Sustainable Development Goals" – "Zero Hunger"
- An app designed to connect local food back and supermarkets to reduce food waste and solve hunger problem for the homeless
- Practiced rapid prototyping skill by designing the interactive app using Adobe XD

PAPERS AND PRESENTATIONS

Munson S, Chung C, Kientz J, Fogarty J, Zia J, Cole A, Schroeder J, Karkar R, Wang Q, Vilardaga R. Mobile Apps for Generating and Sharing Food-Related Data. Collaborative Healthcare Using Patient-Generated Data. Reos Partners, Robert Wood Johnson Foundation. December 2017. Retrieved from https://reospartners.com/projects/collaborative-healthcare-using-patient-generated-data/

Wang Q, Kaysen D. (2016, May).
Tonic Immobility and Maladaptive Cognitions as Predictors of Sexual Revictimization among College Women. Poster presented at the 19th annual Undergraduate Research Symposium. Seattle, WA.

COMMUNITY SERVICES

Undergraduate Research Leader, Undergraduate Research Program, Seattle, WA, October 2017 - Present
Event Coordinator, UW Psi Chi Honor Society, Seattle, WA, September 2016 – March 2017
Student Mentor, International Student Mentorship Program, Seattle, WA, May 2016 – March 2017
Facilitator, Foundation of International Understanding Through Students(FIUTS), Seattle, WA, January 2015 – March 2015

SKILLS

Quantitative research and analysis – statistical data analysis using R, SPSS, Excel
Qualitative research and analysis – interview, survey, affinity diagram, design coding scheme
Design – prototyping, sketching, color theory, storyboard creation, user research, design paradigms, critique and evaluation
Programming skills – Java, R, SQL, HTML, CSS, JavaScript, Swift, Python