

Shan Wang

EDUCATION

Ph.D., Informatics, specialized in **Human-Computer Interaction (HCI)**
Penn State University

Expected May 2024

Master of Science, Information Sciences and Technology, specialized in **Human-Computer Interaction (HCI)**
Penn State University

Aug 2018 - June 2020

Bachelor of Arts, Mathematics
Bachelor of Arts, Psychology
University of California, Davis

Sept 2014 – June 2018

Coursework in Computer Science:

Data Structures and Programming
Software & Object-Oriented Programming

Programming & Problem Solving
Theory Computation

Intro to Programming
Discrete Math in CS

HONORS AND AWARDS

- Grace Hopper Celebration (GHC) Student Scholarship *2020*
- Distinguished Master's Thesis Award *Spring 2020*
- Dean's list, Letters and Science *Fall 2014 / Winter 2015 / Winter 2016 / Spring 2016*
- First Year Scholar *Fall 2015*

PUBLICATIONS

- Kunchay, S., **Wang, S.**, & Abdullah, S. (2019, November). Investigating Users' Perceptions of Light Behaviors in Smart-Speakers. In *Conference Companion Publication of the 2019 on Computer Supported Cooperative Work and Social Computing* (pp. 262-266). ACM.
- Ritter, F. E., Tehranchi, F., Brener, M., & **Wang, S.** (2019). Testing a Complex Training Task. In *Proceedings of 2019 International Conference on Cognitive Modelling*.

SKILLS

Research: Experiment design, Survey, Interview, User Experience Evaluation

Data analysis: RStudio, SAS, MATLAB

Prototyping: Axure RP, Adobe XD, Photoshop

Programming: Python, C++

Languages: Mandarin (Native), English (Fluent)

EXPERIENCE

Lab Member, Penn State University

University Park, PA / Fall 2020 - now

- Advised by Dr. Xinning Gui.

Teaching Assistant, Penn State University

University Park, PA / Fall 2020 - now

- IST 331, supervised by Dr. Xinning Gui; IST337, supervised by Prof. Megan Costello.
- Assisting online courses, grading homework, holding office hours, and having weekly meetings.
 - Fall 2020: IST 331 and IST 337.

Lab member, Penn State University

University Park, PA / Fall 2018 – Spring 2020

- The Wellbeing & Health Innovation (WHI) Lab, advised by Dr. Saeed Abdullah.

- Did master thesis project that investigates the effects of prompts' humor level on sedentary behavior change, as Principle Investigator. This thesis received the Distinguished Master's Thesis Award at Penn State University.
- Participated in the Expressive Light project that investigates users' current understanding of light behaviors on smart speakers, helped make online survey scripts, did partial data analysis for class project.
- Worked on a class project that reviewed mindfulness-based iPhone apps using Mobile Application Rating Scale (MARS).

Research Assistant, Penn State University

University Park, PA / Spring 2019 – Spring 2020

- The Applied Cognitive Science (ACS) Lab, supervised by Dr. Frank Ritter.
- Did media search for content and background pictures, made videos and screenshots, participated in writing a poster paper, reviewed contents of virtual intelligent tutor that trains military trauma nurses.
- Reviewed papers, gave feedback to lab members, and helped conducting experiment of Moving Target Tutor Project by organizing participants, distributing materials, and handing compensation to participants.

Instructional Assistant, Penn State University

University Park, PA / Fall 2018 - Spring 2020

- SRA365, supervised by Prof. Katherine Hamilton; IST337, SRA111, and SRA 231, supervised by Prof. Megan Costello.
- Helped manage student teams for mHealth challenge, assisted professor in class, discussed grading rubrics for homework and exams, graded assignments, monitored exams, had weekly teaching team meeting, held office hours, gave feedback to the professor.
 - Spring 2020: SRA 111;
 - Fall 2019: IST337 and SRA231;
 - Spring 2019: SRA111 and IST432;
 - Fall 2018: SRA365 and IST337.

Technical Assistant, UC Davis Campus Creation & Unions

Davis, CA / Sep 2016 - Mar 2017

- Collaborated with 4-12 team members to set up and take down facilities for sports games, farmer's markets, career fairs, and lectures.

VOLUNTEER EXPERIENCE

World in Conversation's 2nd Annual Day of Dialogue

University Park, PA / Jan 2020

- Discussed various topics and shared perspectives with other volunteers.

IST Open House

University Park, PA / Oct 2019

- Serviced at Dr. Frank Ritter's presentation.

Conversation Partners Program

University Park, PA / Fall 2019

- Met weekly with conversation partner to discuss various topics and share perspectives.

Barile Lab

Davis, CA / Summer 2015

- Collected nutritional statistics, including weights of the food and the piglets.
- Collaborated with several lab assistants to dissect piglets and collect nutrition-related samples.

Counseling Volunteer Group

Chengdu, China / Summer 2014

- Met with a group of individuals between 19 and 64 years old from different backgrounds and communicated with group members about each other's experience.
- Collaborated as a team to raise money from companies and held school activities for students in a primary school and communicated with them.
- Visited old people's homes regularly to do some cleaning, communicated with them, and accompanied them.