

# Kaiwen Sun

kwsun@umich.edu • 6127020452

## Education

- 2019 – Present    **University of Michigan** | Ann Arbor, MI  
Ph.D. in Information  
Advisors: Florian Schaub, Chris Brooks
- 2016 – 2018    **University of Michigan** | Ann Arbor, MI  
M.S. in Information - Human Computer Interaction
- 2011 – 2013    **University of Minnesota** | Minneapolis, MN  
B.S. in Marketing

## Publications

Journal Articles (2)

- 2021    **Child Safety in the Smart Home: Parents’ Perceptions, Needs, and Mitigation Strategies**  
Kaiwen Sun, Yixin Zou, Jenny Radesky, Chris Brooks, Florian Schaub.  
*Proceedings of the ACM on Human-Computer Interaction*, 5, CSCW2, Art. 471. Oct 2021.  
<https://doi.org/10.1145/3479858>  
Also to be presented at CSCW 2021.
- 2021    **Disparities in Students’ Propensity to Consent to Learning Analytics**  
Warren Li, Kaiwen Sun, Florian Schaub, Chris Brooks.  
*The International Journal of Artificial Intelligence in Education Special Issue*, June 2021.  
<https://doi.org/10.1007/s40593-021-00254-2>

Peer-reviewed Conference Proceedings (3)

- 2021    **“They See You’re a Girl if You Pick a Pink Robot with a Skirt”: A Qualitative Study of How Children Conceptualize Data Processing and Digital Privacy Risks**  
Kaiwen Sun, Carlo Sugatan, Tanisha Afnan, Hailey Simon, Susan A Gelman, Jenny Radesky, Florian Schaub.  
*CHI’21: Conference on Human Factors in Computing Systems*, ACM, May 2021.(Acceptance rate: 26.3%)  
<https://doi.org/10.1145/3411764.3445333>
- 2019    **It’s My Data! Tensions Among Stakeholders of a Learning Analytics Dashboard**  
Kaiwen Sun, Abraham Mhaidli, Sonakshi Watel, Chris Brooks, Florian Schaub  
*CHI’19: Conference on Human Factors in Computing Systems*, ACM, May 2019. (Acceptance rate: 23.8%)  
<https://doi.org/10.1145/3290605.3300824>

2019 **You ‘Might’ Be Affected: An Empirical Analysis of Usability Issues in Data Breach Notifications**

Yixin Zou, Shawn Danino, Kaiwen Sun, Florian Schaub

*CHI’19: Conference on Human Factors in Computing Systems*, ACM, May 2019. (Acceptance rate: 23.8%)

<https://doi.org/10.1145/3290605.3300424>

Workshop Proceedings and Posters (3)

2020 **It’s Everyone’s Home: Designing Smart Home Technologies with Children in Mind**

Kaiwen Sun, Chris Brooks, Florian Schaub

*CHI ’20 Workshop on Networked Privacy*. Apr 2020.

2018 **Taking Student Data for Granted? A Multi-Stakeholder Analysis of a Learning Analytics System**

Kaiwen Sun, Abraham Mhaidli, Sonakshi Watel, Chris Brooks, Florian Schaub

*EDM’18 Workshop on Policy and Educational Data Mining: Norms, Risks and Safeguards*. July 2018.

2018 **Taking Student Data for Granted? A Multi-Stakeholder Analysis of a Learning Analytics System**

Kaiwen Sun, Abraham Mhaidli, Sonakshi Watel, Chris Brooks, Florian Schaub

Poster. *SOUPS’18: Symposium on Usable Privacy and Security*. USENIX, Aug 2018.

## Teaching Experience

Graduate Student Instructor

Fall 2021 **SI 582: Introduction to Interaction Design (University of Michigan)**

Lead weekly in-class discussion sections, oversee 45 projects led by master students, hold office hours, and grade assignments.

Winter 2021 **SI 658: Information Architecture (University of Michigan)**

Facilitated weekly lecture, provided feedback to 96 individual presentations delivered by master students, and held office hours.

*5.0 (of 5.0) median rating (16 of 33 students).*

## Employment

- 2017 – Present **Graduate Student Research Assistant**  
*University of Michigan | Ann Arbor, MI*
- The impact of privacy and security topics and discussions on consumers' adoptions of smart home technologies from Reddit.
  - Parents' perceptions and mitigation strategies of children's smart home safety.
  - Children's perceptions of data processing and digital privacy risks.
  - Measurement of students' privacy expectations and sentiments toward the use of student data in learning analytics.
  - Disparities in students' propensity to consent to learning analytics.
  - A multi-stakeholder perspective of privacy in learning analytics.
  - Empirical analysis of usability issues in data breach notifications.
- 2017 **User Experience Intern**  
*Kohler. Co, Emerging Technology Design Studio | Kohler, WI*
- Contributed iterative concept development through exploratory UX research methods, mindmap, digital illustration, presentations, for use-case scenarios in bathroom and between connected IoT products.
  - Created new product interface information architecture and interactions through ideation, design research and wireframes while collaborating with two business units.
- 2017 **UX Consultant**  
*Harman | Novi, MI*
- Designed a survey to uncover users' attitudes, behaviors and characteristics, analyzed survey responses to improve infotainment system user experiences.
  - Conducted usability tests to provide insights for client's design update.

## Honors & Awards

- 2018 **SOUPS Student Grant**  
Symposium on Usable Privacy and Security Baltimore, MD, USA.
- 2016 – 2018 **Merit Scholarship**  
University of Michigan School of Information.

## Services

- 2020 – Present **Mentor, Undergraduate Research Opportunity Program**  
Mentored undergraduate students on research projects. Help students build research skills and identify academic & career interests through close collaborations.
- 2020 **External Reviewer**  
ACM Conference on Human Factors in Computing Systems (CHI'20) Late Breaking Work
- 2020 **Privacy@Michigan Privacy Day Symposium**  
Contributed to organizing the Privacy@Michigan symposium in celebration of International Data Privacy Day. Organized "privacy clinics" to raise awareness of privacy issues among symposium attendees.