Yi Xuan (Wendy) Khoo

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Education

2020–2025 **University of Maryland, Baltimore County (UMBC)**,
Ph.D. in Human-Centered Computing, Department of Information Systems.
Advisor: Prof. Helena Mentis

2020–2022 **University of Maryland, Baltimore County (UMBC)**,
M.S. in Human-Centered Computing, Department of Information Systems.

2019–2020 **Rutgers University, New Brunswick**,
Master of Information, 18 credits earned.

2015–2018 **The University of Iowa**,
Bachelor of Arts in Informatics, Bachelor of Arts in Psychology.

Professional Experience

**Aug 2020–
Present** **Graduate Research Assistant**, *Bodies in Motion Lab*, UMBC,
Advised by Prof. Helena Mentis.
- Led an independent research to investigate users' privacy and security concerns about mental health applications
- Analyzed over 10 focus group interviews to explore the impact of the data science curriculum in undergraduate education
- Conducted a deployment study of a safety system 8 older adults with mild cognitive impairment called SafeWee through diary study and semi-structured interviews
- Employed conversation analysis to 7 interviews to explore the negotiation pattern of older couples interacting with a safety settings probe

**Sep 2017–
Dec 2018** **Computer Science Tutor**, *The University of Iowa*.
- Assisted 3 undergraduate students with their programming practices and exams in CS 1110 and CS 2110

**Jan 2018–
Aug 2018** **Research Assistant, ICRU Research Fellow**, *Health and Wellness Computer Human Interaction Lab, The University of Iowa*,
Advised by Prof. Kyle Rector.
- Performed a systematic search and analyzed 10 interviews to explore the opportunity for people who have experienced vision loss
- Collaborated with 2 researchers to conduct the user study of a virtual reality (VR) game called Virtual Showdown, coded and labeled footage from 33 videos

Publications

Conference Proceedings (Peer-reviewed)

[4] **"That's Kind of Sus(picious)": The Comprehensiveness of Mental Health Application Users' Privacy and Security Concerns**.
Yi Xuan Khoo, Rachael M. Kang, Tera L. Reynolds, Helena M. Mentis. *2024 CHI Conference on Human Factors in Computing Systems(CHI' 24)* (conditionally accepted)

[3] **Adopting Foundational Data Science Curriculum with Diverse Institutional Contexts**.
Vandana P. Janeja, Maria Sanchez, **Yi Xuan Khoo**, Claudia von Vacano, Lujie Karen Chen. *SIGCSE Technical Symposium 2024.* (accepted)

[2] **Exploring the Opportunities for Technologies to Enhance Quality of Life with People who have Experienced Vision Loss**.
Rachel Bartlett, **Yi Xuan Khoo**, Juan Pablo Hourcade, Kyle Rector. *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI' 19) https://dl.acm.org/doi/abs/10.1145/3290605.3300421*

[1] **Virtual Showdown: An Accessible Virtual Reality Game with Scaffolds for Youth with Visual Impairments**.
Ryan Wedoff, Lindsay Ball, Amelia Wang, **Yi Xuan Khoo**, Lauren J Lieberman, Kyle Rector. *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI' 19) https://dl.acm.org/doi/10.1145/3290605.3300371*

Conference Abstracts

[1] **Human-Computer Interaction and the Future of Work**.
Naveena Karusala, Nabil Al Nahin Ch, Diana Tosca, Alberta A Ansah, Emeline Brulé, Le-En Huang, Azra Ismail, Pranjal Jain, **Yi Xuan Khoo**, Isabel Muñoz, Clemens Schartmüller, Himanshu Verma, Preeti Vyas, Susanne CJ Boll, Sarah E Fox, Noopur Raval, Max L Wilson, Anna L Cox, Christian P Janssen, Helena M Mentis, Neha Kumar, Orit Shaer, Andrew L Kun. *CHI EA '22: Extended Abstracts of the 2022 CHI Conference on Human Factors in Computing Systems https://doi.org/10.1145/3491101.3516407*

Presentations

Apr 2023	**Experiences and Perspectives on Data Privacy of Mental Health Technologies**, *Poster Presenter*, WISH Symposium at CHI2023.
Apr 2021	**Responsible Computing: A Longitudinal Study of a Peer-led Ethics Learning Framework**, *Poster Presenter*, IS Grad Student Poster Day.
Nov 2018	**Virtual Showdown: An Accessible Virtual Reality Game with Scaffolds for Youth with Visual Impairments**, *Poster Presenter*, Fall Undergraduate Research Festival.

Honors and Awards

Summer 2018	**ICRU Fellowship**, *The University of Iowa.*
Spring 2017, Fall 2017	**Dean's List**, *The University of Iowa.*

Skills

Language	Python, HTML, CSS, JavaScript, JQuery
Prototype	Figma, Axure, Adobe XD, Balsamiq
Other Tools	NVivo, MaxQDA, Stata, Tableau, Qualtrics, Miro, AutoCAD, Procreate

Service

Committees

Sep 2023– Present	**Secretary and Treasurer**, *UMBC ACM Student Chapter*
Sep 2021– Jun 2022	**Web Co-chair, Program Committee**, *CHIWORK*
Jan 2021– May 2022	**HCC Fika Committee Organizer**, *Interactive Systems Research Center*
Sep 2019– May 2020	**Mental Health Committee Member**, *Graduate Student Association*

Peer Reviewer (Reviewed 17 Papers)

2021 - 2024	ACM CHI
2021, 2022	ACM CSCW
2022	CHIWORK

Student Volunteer/Assistant

2021 – 2023	ACM CHI
2021	ACM CSCW