

Yuhan Luo

Y6422 Yeung Kin Man Academic Building
83 Tat Chee Avenue, Hong Kong SAR
yuhanluo@cityu.edu.hk
<https://yuhanluo.github.io/me>
[Google Scholar](#)

ACADEMIC APPOINTMENT

07/2022–Present **City University of Hong Kong**, Hong Kong SAR, China
Assistant Professor, Department of Computer Science

EDUCATION

2017–2022 **University of Maryland**, College Park, MD, USA
Ph.D. in Information Studies
Thesis: *Promoting Rich and Low-Burden Self-Tracking With Multimodal Data Input*
Thesis committee chair: *Eun Kyoung Choe*
Committee members: *Bongshin Lee, Hernisa Kacorri, Beth St. Jean, Philip Resnik*

2015–2017 **The Pennsylvania State University**, State College, PA, USA
M.S. in Information Science & Technology

2011–2015 **Southeast University**, Nanjing, China
BEng in Computer Science

OTHER EMPLOYMENT

06/2020–08/2020 **Meta**, Enterprise People Engineering, Menlo Park, CA, USA
User Experience Researcher Intern

05/2019–08/2019 **Google**, Android Developer Platform, Mountain View, CA, USA
User Experience Researcher Intern

08/2017–05/2022 **University of Maryland**, College Park, MD, USA
Graduate Research Assistant

06/2016–08/2016 **Mode Media**, Brisbane, CA, USA
User Experience Designer Intern

01/2016–05/2016 **The Pennsylvania State University**, State College, PA, USA
Graduate Research Assistant

06/2014–08/2014 **FASTEM Studio**, Nanjing, China
Software Engineer Intern

HONORS AND AWARDS

2022 ACM ISS Honorable Mention Award [j5]

2021 Dr. Joan Giesecke Health Informatics Fellowship, University of Maryland

2020 iSchool Research Improvement Grants (RIGs), University of Maryland
Outstanding Graduate Assistant Award (top 2%), University of Maryland

2019 Dean's Award for iSchool Doctoral Student Paper [c4], University of Maryland

2018 iSchool Research Improvement Grants (RIGs), University of Maryland

PUBLICATIONS

IF: Impact factor.

* denotes equal contribution.

Journal Articles (Rigorously Peer Reviewed)

- j5 Luo, Y., Lee, B., Kim, Y-H., Choe, E.K. (2022). **NoteWordy: Investigating Touch and Speech Input on Smartphones for Personal Data Capture.** *Proceedings of the ACM Human-Computer Interaction (PACMHCI), Volume 6 Issue ISS.* [Acceptance rate: 27%] **Honorable Mention Award**
- j4 Oh, CY., Luo, Y., Jean, B.S., Choe, E.K. (2022). **Patients Waiting for Cues: Information Asymmetries and Challenges in Sharing Patient-Generated Data in the Clinic.** *Proceedings of the ACM Human-Computer Interaction (PACMHCI), Volume 6 Issue CSCW1.* [Acceptance rate: 26%]
- j3 Mascheroni, A., Choe, E.K., Luo, Y., Marazza, M., Ferlito C., Caverzasio, S., Mezzanotte, E., Kaelin-Lang, A., Faraci F., Puiatti, A., Ratti, PL. (2021). **The SleepFit Tablet Application for Home-based Clinical Data Collection in Parkinson's Disease: User-centric Development and Usability Study.** *JMIR mHealth and uHealth (JMUI).* [5-Year IF: 5.3]
- j2 Luo, Y., Oh, CY., Jean, B.S., Choe, E.K. (2020). **Interrelationships Between Patients' Data Tracking Practices, Data Sharing Practices, and Health Literacy: Onsite Survey Study.** *Journal of Medical Internet Research (JMIR).* [5-Year IF: 6.0]
- j1 Ratti, PL., Faraci F., Hackethal S., Mascheroni A., Ferlito C., Caverzasio S., Amato N., Choe E.K., Luo, Y., Nunes-Ferreira P.E., Galati S., Puiatti A., Kaelin-Lang, A. (2019). **A New Prospective, Home-Based Monitoring of Motor Symptoms in Parkinson's Disease.** *Journal of Parkinson's Disease (JPD).* [5-Year IF: 3.8]

Conference Proceedings (Rigorously Peer Reviewed)

- c6 Luo, Y., Kim, Y-H., Lee, B., Hassan, N., Choe, E.K. (2021). **FoodScrap: Promoting Rich Data Capture and Reflective Food Journaling Through Speech Input.** *Proceedings of the ACM Conference on Designing Interactive Systems (DIS '21).* [Acceptance rate: 27%]
- c5 Luo, Y., Lee, B., Choe, E.K. (2020). **TandemTrack: Shaping Consistent Exercise Experience by Complementing a Mobile App with a Smart Speaker.** *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '20).* [Acceptance rate: 24%]
- c4 Luo, Y., Liu, P., Choe, E.K. (2019). **Co-Designing Food Trackers with Dietitians: Identifying Design Opportunities for Food Tracker Customization.** *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '19).* [Acceptance rate: 24%]
- c3 Blair, J.,* Luo, Y.,* Ma, N.F., Lee, S.Y., Choe, E.K. (2018). **OneNote Meal: A Photo-Based Diary Study for Reflective Meal Tracking.** In *American Medical Informatics Association Annual Symposium Proceedings (AMIA '18).*
- c2 Luo, Y., Lee, B., Wohn, D. Y., Rebar, A. L., Conroy, D. E., Choe, E.K. (2018). **Time for Break: Understanding Information Workers' Sedentary Behavior Through a Break Prompting System.** *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '18).* [Acceptance rate: 26%]

- c1 Zhu, H., Luo, Y., Choe, E.K. (2017). **Making Space for the Quality Care: Opportunities for Technology in Cognitive Behavioral Therapy for Insomnia.** *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '17)*. [Acceptance rate: 25%]

Workshop Papers, Posters, Extended Abstracts

- w1 Luo, Y. (2021). **Designing Multimodal Self-Tracking Technologies to Promote Data Capture and Self-Reflection.** *ACM Conference on Designing Interactive Systems (DIS) Doctoral Consortium (DIS '21 Companion)*.

CREATIVE COMPUTING SYSTEMS

- cs3 **NoteWordy.** An Android app integrating touch and speech input for personal data capture [j5]. Contributors: Luo Y., Lee B., Kim Y-H., Choe, EK., Vedmala, A.
- cs2 **TandemTrack.** A multimodal system coupling an Android app and an Alexa skill on Amazon Echo for in-home exercise tracking [c5]. Contributors: Luo Y., Lee B., Choe, EK., Smolyak, D.
- cs1 **Time for Break.** A desktop-based application (Windows) that prompts information workers to take regular standing breaks [c2]. Contributors: Luo Y., Lee B., Conroy D.E., Choe, EK.

TEACHING

Course Instructor

City University of Hong Kong, Hong Kong SAR

CS2204 Fundamentals of Internet Applications Development (Undergraduate; CS core; 3 credits)

- Spring 2023 (enrollment 200+)

CS1102 Introduction to Computer Studies (Undergraduate; Non-CS elective; 3 credits)

- Fall 2022 (enrollment 200+, co-teaching with *Dr. Howard Leung*)

University of Maryland, College Park, MD, USA

INST 408D Designing Patient-Centered Technologies (Undergraduate; Info Science elective; 3 credits)

- Spring 2021 (enrollment 23)

Teaching Assistant

The Pennsylvania State University, State College, PA, USA

SRA 468 Visual Analytics (Undergraduate; Info Science/Statistics elective; 3 credits)

- Spring 2017 (worked with *Dr. Guoray Cai*)

IST 454 Cyber Forensics (Undergraduate level; Info Science elective; 3 credits)

- Fall 2016 & 2015 (worked with *Dr. Chao-Hsien Chu*)

STUDENT MENTORING

Research Advisees & Interns

08/2022–Present **Minhui Liang** (Xi'an Jiao Tong University engineering undergraduate)
Cross-platform mobile app development.

- 06/2022–Present **Ellen Zhuoyang Li** (University of Amsterdam master & CityU alumna)
Design of persuasive chatbots.
- 03/2021–06/2021 **Abhinav Reddy Vedmala** (UMD CS undergraduate)
Android development integrating touch and speech input for personal data capture.
- 02/2019–08/2019 **Lily Huang** (UMD iSchool undergraduate)
Developing study protocols for evaluating a multimodal exercise assistant.
- 06/2018–09/2018 **Peiyi Liu** (UMD iSchool master)
Conducting co-design sessions with dietitians and data analysis, co-authored [c4].

TALKS & LECTURES

Invited Talks

- 2022 **“Capturing Everyday Food Practice Through Speech Input”**
International Food Acquisition Research and Methods (iFarm) workshop, October 2022.
- 2021 **“Promoting Rich & Low-Burden Self-Tracking With Multimodal Data Input”**
Department of Computer Science, City University of Hong Kong, October 2021.
Third Youth Forum on the Next Generation Computer Sciences, Peking University, October 2021.
John Hopcroft Center for Computer Science, Shanghai Jiao Tong University, October 2021.
HCIL Brown Bag Lunch Speaker Series, University of Maryland, October 2021.
- 2018 **“Quantified Cat: Getting to Know My Cat By Tracking Her Health & Behavioral Data”**
Quantified-Self Washington D.C. Meetup, April 2018.

Guest Lectures

- 2022 **“UX Research in Industry”**
IST 597, College of Information Science & Technology, Penn State, April 2022.
- 2021 **“Personal Data Visualization”**
John Hopcroft Center for Computer Science, Shanghai Jiao Tong University, October 2021.
- 2018 **“Personal Data Visualization & Feedback”**
INST 682/CMSC 838X, College of Information Studies, University of Maryland, October 2018.

SERVICE & OUTREACH

Program Committee

- Publication Co-Chair, ACM DIS (2023)
- Associate Chair for ACM CSCW Technical Program (2023)
- Associate Chair for ACM CHI Technical Program - Understanding People (2023)
- Student Volunteers Co-Chair, ACM DIS (2022)
- Associate Chair for ACM CHI Late-Breaking Work (2019)

Conference Reviewer (# of papers: 60+)

- ACM CHI 2019–2023 | CSCW 2021–2023 | IMWUT 2018–2022 | DIS 2021 | IDC 2020
- The Pacific Asia Conference on Information Systems (PACIS) 2020
- The Annual Symposium of American Medical Informatics Association (AMIA) 2019

Journal Reviewer

ACM Transactions on Computer-Human Interaction (TOCHI) 2021

Journal of Medical Internet Research (JMIR) 2020–2021

Recognition for Outstanding Reviews

CHI 2023, IMWUT 2022, CSCW 2022, CHI 2022, CHI 2021

Session Chair

CHI 2022

Volunteer

Student Volunteer, CHI 2022

Student Volunteer, DIS 2021

Executive Committee Volunteer, CHI 2018

University Service

Student Member of Faculty Search Committee (2021) - UX Lecturer, University of Maryland