

RESEARCH INTERESTS

My research interest is at the intersection of Human-AI interaction, computational methods, and haptics. I study multimodal haptic perception and develop AI-powered computational systems and tools for designing perceptually grounded haptic experiences.

EDUCATION

Arizona State University <i>Ph.D. in Computer Science</i> GPA: 4.00/4.00 Fulton Fellowship Award	Tempe, AZ 2023 - 2028 (expected)
Carnegie Mellon University <i>Master of Science in Electrical and Computer Engineering</i> GPA: 3.71/4.00	Pittsburgh, PA 2021 - 2023
The Hong Kong Polytechnic University <i>Bachelor of Engineering in Electronic and Information Engineering</i> GPA: 3.82/4.00 With First Class Honours	Hong Kong 2017 - 2021
University of Cambridge <i>Pembroke College Summer Visiting</i>	Cambridge, UK 2019

CONFERENCE AND JOURNAL PUBLICATIONS

1. **Yinan Li**, Hasti Seifi. Sound2Hap: Learning Audio-to-Vibrotactile Haptic Generation from Human Ratings. *To Appear In Proceedings of the 2026 ACM Conference on Human Factors in Computing Systems (CHI '26)*, page 1-19.
2. **Yinan Li**, Hasti Seifi. Mutual Masking and Perceptual Simultaneity in Electrical Muscle Stimulation and Vibration Haptics. *IEEE Transactions on Haptics 18, 4 (October 2025)*, page 1057–1070.
3. **Yinan Li**, Hasti Seifi. A Video-Based Crowdsourcing Study on User Perceptions of Physically Assistive Robots. *In Proceedings of the Extended Abstracts of the 2025 ACM Conference on Human Factors in Computing Systems (CHI EA '25)*, page 1-8.
4. Soheil Kianzard, **Yinan Li**, Hasti Seifi. Feel the Connection: Haptic Enhanced Interaction with an AI Agent. *In Proceedings of the Extended Abstracts of the 2025 ACM Conference on Human Factors in Computing Systems (CHI EA '25)*, page 1-8.
5. Seyun Kim, Jonathan Ho*, **Yinan Li***, Bonnie Fan, Willa Yunqi Yang, Jessie Ramey, Sarah E Fox, Haiyi Zhu, John Zimmerman, Motahhare Eslami. Integrating Equity in Public Sector Data-Driven Decision Making: Exploring the Desired Futures of Underserved Stakeholders. *Proceedings of the ACM on Human-Computer Interaction 8, CSCW2 (November 2024)*, page 1-39. (*Authors contributed equally)
6. Kevin John, **Yinan Li**, Hasti Seifi. AdapTics: A Toolkit for Creative Design and Integration of Real-Time Adaptive Mid-Air Ultrasound Tactons. *In Proceedings of the 2024 ACM Conference on Human Factors in Computing Systems (CHI '24)*, page 1-15.

ORGANIZED WORKSHOPS

1. Easa AliAbbasi, Dennis Wittchen, **Yinan Li**, Shihan Lu, Thomas Müller, Donald Degraen, Thomas Leimkühler, Sang Ho Yoon, Hasti Seifi, Oliver Schneider, Heather Culbertson, Jürgen Steinle, Paul Strohmeier. AI for Haptics and Haptics for AI: Challenges and Opportunities. *To Appear In Proceedings of the Extended Abstracts of the 2026 ACM Conference on Human Factors in Computing Systems (CHI EA '26)*, page 1-7.

AWARDS AND HONORS	Fulton Fellowship Award , Ira A. Fulton Schools of Engineering, Arizona State University	2023
	Best GPA Award , Department of Electronic and Information Engineering, The Hong Kong Polytechnic University	2020
	2nd Runner-up Award , 5th HK University Student Innovation and Entrepreneurship Competition, Team Awards	2019
	National Bronze Medal , 5th China “Internet+” Innovation and Entrepreneurship Competition, Team Awards	2018
	Dean’s Honors List , Faculty of Engineering, The Hong Kong Polytechnic University	2018
ACADEMIC RESEARCH EXPERIENCE	Arizona State University, School of Computing and Augmented Intelligence Tempe, AZ	
	Research Assistant in TEAL Lab, supervisor: Dr. Hasti Seifi	June 2023 - Present
	Research Topics: Haptics	
	Carnegie Mellon University, Human-Computer Interaction Institute Pittsburgh, PA	
ACADEMIC SERVICES	Research Assistant in 4A Lab, supervisor: Dr. Motahhare Eslami	May 2022 - May 2023
	Research Topics: Responsible AI, ML Fairness, Social Computing, Data-Driven Decision	
	Carnegie Mellon University, The Robotics Institute Pittsburgh, PA	
TEACHING EXPERIENCE	Research Intern in Biorobotics Lab, supervisor: Dr. Howie Choset	May - August 2020
	Research Topics: Image Segmentation, Transfer Learning, Robot Simulation	
	Reviewer (20+ papers)	
	ACM Conference on Human Factors in Computing Systems (CHI), 2024, 2025, 2026	
	ACM Symposium on User Interface Software and Technology (UIST), 2025	
MENTORING EXPERIENCES	IEEE World Haptics Conference (WHC), 2025	
	ACM Designing Interactive Systems Conference (DIS), 2025	
	❖ Special Recognitions for Outstanding Reviews	
	Assistant for Subcommittee Chair	
	Assistant for Interacting with Devices Subcommittee CHI 2026	
MENTORING EXPERIENCES	Program Committee	
	Associate Chair for ACM CHI (Posters, 2026)	
	Arizona State University, School of Computing and Augmented Intelligence	
MENTORING EXPERIENCES	Teaching Assistant for CSE463 Introduction to Human-Computer Interaction	Fall 2024
	Alyssa Duranovic, ASU CS Undergraduate Student	Fall 2025 - Spring 2026
MENTORING EXPERIENCES	Honors Thesis Committee Member	