Yinan Li

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Google Scholar

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 — Tempe, AZ
Ph.D. in Computer Science — 2023 - 2028 *(expected)*
GPA: 4.00/4.00 | Fulton Fellowship Award

Carnegie Mellon University — Pittsburgh, PA
Master of Science in Electrical and Computer Engineering — 2021 - 2023
GPA: 3.71/4.00

The Hong Kong Polytechnic University — Hong Kong
Bachelor of Engineering in Electronic and Information Engineering — 2017 - 2021
GPA: 3.82/4.00 | With First Class Honours

University of Cambridge — Cambridge, UK
Pembroke College Summer Visiting — 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 Steimle, 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

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

Research Intern in Biorobotics Lab, supervisor: Dr. Howie Choset — May - August 2020
Research Topics: Image Segmentation, Transfer Learning, Robot Simulation

Academic Services

Reviewer (10+ papers)

ACM Conference on Human Factors in Computing Systems (CHI), 2024, 2025, 2026
ACM Symposium on User Interface Software and Technology (UIST), 2025
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

Teaching Experience

Arizona State University, School of Computing and Augmented Intelligence

Teaching Assistant for CSE463 Introduction to Human-Computer Interaction — Fall 2024

Mentoring Experiences

Alyssa Duranovic, ASU CS Undergraduate Student — Fall 2025 - Spring 2026

Honors Thesis Committee Member