

**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**

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

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|------------------------------------|--|-------------------------|
| AWARDS<br>AND<br>HONORS            | <b>Fulton Fellowship Award</b> , Ira A. Fulton Schools of Engineering, Arizona State University                    | 2023                    |
|                                    | <b>Best GPA Award</b> , Department of Electronic and Information Engineering, The Hong Kong Polytechnic University | 2020                    |
|                                    | <b>2nd Runner-up Award</b> , 5th HK University Student Innovation and Entrepreneurship Competition, Team Awards    | 2019                    |
|                                    | <b>National Bronze Medal</b> , 5th China “Internet+” Innovation and Entrepreneurship Competition, Team Awards      | 2018                    |
|                                    | <b>Dean’s Honors List</b> , Faculty of Engineering, The Hong Kong Polytechnic University                           | 2018                    |
| ACADEMIC<br>RESEARCH<br>EXPERIENCE | <b>Arizona State University, School of Computing and Augmented Intelligence</b> Tempe, AZ                          |                         |
|                                    | Research Assistant in TEAL Lab, supervisor: Dr. Hasti Seifi  | June 2023 - Present     |
|                                    | Research Topics: Haptics   |                         |
|                                    | <b>Carnegie Mellon University, Human-Computer Interaction Institute</b> 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                               |                         |
|                                    | <b>Carnegie Mellon University, The Robotics Institute</b> Pittsburgh, PA   |                         |
|                                    | Research Intern in Biorobotics Lab, supervisor: Dr. Howie Choset   | May - August 2020       |
|                                    | Research Topics: Image Segmentation, Transfer Learning, Robot Simulation   |                         |
| ACADEMIC<br>SERVICES               | <b>Reviewer (20+ papers)</b>   |                         |
|                                    | 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   |                         |
|                                    | <b>Assistant for Subcommittee Chair</b>  |                         |
|                                    | Assistant for Interacting with Devices Subcommittee CHI 2026   |                         |
|                                    | <b>Program Committee</b>   |                         |
|                                    | Associate Chair for ACM CHI (Posters, 2026)  |                         |
| TEACHING<br>EXPERIENCE             | <b>Arizona State University, School of Computing and Augmented Intelligence</b>                                    |                         |
|                                    | Teaching Assistant for CSE463 Introduction to Human-Computer Interaction   | Fall 2024               |
| MENTORING<br>EXPERIENCES           | <b>Alyssa Duranovic, ASU CS Undergraduate Student</b>  | Fall 2025 - Spring 2026 |
|                                    | Honors Thesis Committee Member   |                         |