

## EDUCATION

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<b>University of Maryland</b> , <i>College of Information</i> Ph.D. in Information Studies Advisor: Dr. Hernisa Kacorri	2024-2029 (Expected) College Park, MD
<b>Tsinghua University</b> , <i>Academy of Arts &amp; Design</i> M.A. in Information Art & Design Thesis: Virtual co-presenter for deaf and hard-of-hearing e-commerce livestreaming Advisor: Dr. Haipeng Mi	2021-2024 Beijing, China
<b>Tsinghua University</b> , <i>Department of Electronic Engineering</i> B.S. in Electronic Engineering Thesis: Recognition and Information Extraction of Wine Labels and Application Intergration Thesis advisor: Dr. Yingqing Xu	2017-2021 Beijing, China

## ACADEMIC AND INDUSTRIAL EXPERIENCES

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<b>University of Maryland</b> , <i>Intelligent Assistive Machine (IAM) Lab</i> Graduate Assistant <ul style="list-style-type: none"><li>- Conducted in-lab and diary studies with blind participants personalizing AI-infused assistive technologies.</li><li>- Analyzed images, video, logs, 3D artworks, and semi-structured interviews collected with blind participants and children.</li><li>- Curated an AI dataset of images taken by blind users and manual annotations to be shared with the research community.</li></ul>	08/2024 - current College Park, MD
<b>Apple Inc.</b> , <i>Mac &amp; Input Product Design Team</i> Asian Pacific Office (APO) Product Design Intern <ul style="list-style-type: none"><li>- Developed a pressure-sensing keyboard prototype with optimized mechanical structure and paired peripheral system in collaboration with 4 vendors, demonstrating feasibility for manufacturing.</li><li>- Developed an internal tool consolidating prototype review processes across cross-region cross-functional teams from 2+ weeks of shipping-and-review cycles to a 1-hour meeting per iteration.</li><li>- Presented outcomes to VP and directors, with contributions acknowledged for advancing collaboration and improving workflow efficiency across global product design and industrial design teams.</li></ul>	11/2023 - 08/2024 Shanghai, China
<b>Tsinghua University</b> , <i>The Future Laboratory</i> Research Assistant <ul style="list-style-type: none"><li>- Conducted semi-structured interviews and evaluations with sign language livestreaming teams and hearing audience.</li><li>- Co-designed and developed a virtual human co-presenter tool with DHH livestreamers and animation designers.</li><li>- Investigated how LLMs support creativity in K-12 through summer camps and interviews with diverse stakeholders.</li></ul>	09/2021-05/2024 Beijing, China
<b>Tsinghua University</b> , <i>The Future Laboratory</i> Executive Project Manager <ul style="list-style-type: none"><li>- Developed an zero-travel vibrating keyboard prototype powered by piezoelectric ceramic modules thinner than 1.5 mm, with sampling systems on STM32-based development boards and paired control software.</li><li>- Measured the structure performance by micro-vibration acceleration, trigger momentum, and noise levels.</li><li>- Identified vibration settings for mimicking typing experiences with physical travel by a user study with 24 participants.</li><li>- Managed the team of 1 researcher and 4 students from different departments, and the collaboration with 2 vendors.</li></ul>	12/2022-10/2023 Beijing, China

## PUBLICATIONS

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### Under Review:

- Anon. Say It My Way: Exploring Control in Conversational Visual Question Answering with Blind Users. (CHI '26).
- Anon. IAMGroot: Exposing Children to Machine Teaching with Augmented Reality Art. (CHI '26).

## Published:

- Siyu Zha, **Yuehan Qiao**, Qingyu Hu, Zhongsheng Li, Jiangtao Gong, and Yingqing Xu. 2025. Designing child-centric AI learning environments: Insights from an LLM-powered creative project-based learning study. *International Journal of Human-Computer Studies* 204: 103602.
- **Yuehan Qiao**, Zhihao Yao, Meiyu Hu, and Qianqiao Xu. 2025. Virtual Co-presenter: Connecting Deaf and Hard-of-hearing Livestreamers and Hearing audience in E-commerce Livestreaming. In *Proceedings of In Extended Abstracts of the CHI Conference on Human Factors in Computing Systems (CHI EA '25)*.
- Zhihao Yao, **Yuehan Qiao**, Qianqiao Xu. 2023. Research on Virtual Human Design in Smart Home. *Journal of Computer-Aided Design & Computer Graphics*, 35(2): 221-229.
- Yunbing Chen, Ke Shen, Gang Yu, **Yuehan Qiao**, Xiangning Yan, Wuwei Zhang, and Yingqing Xu. 2022. EEG-Based Artistic Visualization of Dreams. In *Proceedings of the Ninth International Symposium of Chinese CHI (CHCHI '21)*.

## TALKS/POSTERS

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- **ACM Tapia 2025**: Virtual Co-presenter: A Tool to Enhance Accessibility and Engagement of Sign Language E-commerce Livestreaming. (Poster)
- **University of Maryland Human-Computer Interaction Lab (HCIL) 42nd Annual Symposium (2025)**: Virtual Co-presenter: Connecting Deaf and Hard-of-Hearing Livestreamers and Hearing Audience in E-commerce Livestreaming. (Lightning talk)
- **ACM CHI 2025**: Virtual Co-presenter: Connecting Deaf and Hard-of-Hearing Livestreamers and Hearing Audience in E-commerce Livestreaming. (Poster)
- **Apple Inc.** (2024): Internship Midterm & Final Presentations.

## TEACHING

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- Introduction to Programming for Information Science (INST126)**, Teaching Assistant 2024-2025  
*Undergraduate level*, 75 students in Fall 2025, 55 students in Spring 2025, 189 students in Fall 2024
- Lead weekly discussion sessions, prepare instructional materials, grade, and hold office hours.
- Innovative Summer Camps: *Developing Low Carbon Campus***, Instruction Team Member Summer 2023  
*K-12 Level*, 2 summer camps with 80 middle school students in total
- Co-designed a project-based learning curriculum. Mentored four groups of students in developing their projects.
- Art & Technology: From AI to NFTs**, Teaching Assistant Fall 2022  
*Public*, online course program held by Sotheby's
- Advanced Information Technology and Application in Design**, Teaching Assistant Spring 2022  
*Graduate Level*, 20 students

## REVIEWING ACTIVITY

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- Reviewer, ACM CHI 2026
- Reviewer, ACM Chinese CHI (current ICHEC) 2023, 2024

## SKILLS

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- Programming: Python, C/C++, MATLAB, Verilog, LaTeX, HTML, Processing, Arduino
- Software: JMP, SPSS; Altium Designer, KiCad; Teamcenter, UGNX; Photoshop, Lightroom, Figma, DaVinci