

EDUCATION

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

ACADEMIC AND INDUSTRIAL EXPERIENCES

University of Maryland , <i>Intelligent Assistive Machine (IAM) Lab</i>	08/2024 - current
Graduate Assistant	College Park, MD
- Conducted in-lab and diary studies with blind participants personalizing AI-infused assistive technologies.	
- Analyzed images, video, logs, 3D artworks, and semi-structured interviews collected with blind participants and children.	
- Curated an AI dataset of images taken by blind users and manual annotations to be shared with the research community.	
Apple Inc. , <i>Mac & Input Product Design Team</i>	11/2023 - 08/2024
Asian Pacific Office (APO) Product Design Intern	Shanghai, China
- Developed a pressure-sensing keyboard prototype with optimized mechanical structure and paired peripheral system in collaboration with 4 vendors, demonstrating feasibility for manufacturing.	
- 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.	
- Presented outcomes to VP and directors, with contributions acknowledged for advancing collaboration and improving workflow efficiency across global product design and industrial design teams.	
Tsinghua University , <i>The Future Laboratory</i>	09/2021-05/2024
Research Assistant	Beijing, China
- Conducted semi-structured interviews and evaluations with sign language livestreaming teams and hearing audience.	
- Co-designed and developed a virtual human co-presenter tool with DHH livestreamers and animation designers.	
- Investigated how LLMs support creativity in K-12 through summer camps and interviews with diverse stakeholders.	
Tsinghua University , <i>The Future Laboratory</i>	12/2022-10/2023
Executive Project Manager	Beijing, China
- Developed a 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.	
- Measured the structure performance by micro-vibration acceleration, trigger momentum, and noise levels.	
- Identified vibration settings for mimicking typing experiences with physical travel by a user study with 24 participants.	
- Managed the team of 1 researcher and 4 students from different departments, and the collaboration with 2 vendors.	

PUBLICATIONS

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 Qianyao 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**, Qianyao 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

- **ACM Tapia 2025**: Virtual Co-presenter: A Tool to Enhance Accessibility and Engagement of Sign Language E-commerce Livestreaming. (Poster)
- **University of Maryland Human-Comptuer 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

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

REVIEWING ACTIVITY

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

SKILLS

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