QING LI Email: li.qing@ufl.edu Phone: (352)260-1843

Education

Ph.D. Student Human-Centered Computing, University of Florida	May 2027(expected)
A.S. Programming & Analyzing, Santa Fe College	April 2021
B.A. Chemistry, Central China Normal University	June 2017

Research Experience

Research Assistant *ELX Lab at UF* *Aug 2021 – Dec 2022*
Jan 2024 -- Now

- Conducted a thorough literature review on crowdsourcing in education and designed and executed a user study to gather data. Analyzed findings and identified patterns that were utilized to develop interface and concept designs aimed at promoting a scientific mindset among learners.
- Worked collaboratively with engineers and educators to gain an understanding of operations and design a user-friendly dashboard that enabled students to track their progress and learning outcomes effectively.
- Designed and proposed a novel explanation type for a movie recommender system and developed a website to evaluate the event-based explanation. Conducted a user study to investigate how users' motivation affected their responses to system explanations.

Teaching Assistant *University of Florida* *Jan 2023 – Dec 2023*

- CEN4721 - Human-Computer Interaction
- CEN3031 - Intro Software Engineering
- CIS 4301 - Information and Database Systems 1

Publications

Journal:

- Rani, N., Chu, S. L., & **Li, Q.** (2021). Exploring User Micro-Behaviors Towards Five Wearable Device Types in Everyday Learning-Oriented Scenarios. International Journal of Human – Computer Interaction, 1-16.

Conference:

- Guo, X., **Li, Q**., Smith, S., Zare, A., Anthony, L., Elicitating Challenges and User Needs Associated with Annotation Software for Plant Phenotyping (Accepted by IUI'24)
- Rao, N., **Li, Q.**, Murphy, S., & Chu, S. L. (2023, July). The Context for Contextualizing-Design Implications for Adaptive Teacher Support Systems for More Relevant Instruction. In 2023 IEEE International Conference on Advanced Learning Technologies (ICALT) (pp. 71-73). IEEE.
- Chu, S. L., Garcia, B., **Li, Q.,** Relevant Science: An Investigation of How School Teachers Make Science Relevant in the Classroom. (Accepted by AERA 2023)
- Thakare, K., Okundaye, O. J., **Li, Q.,** Natarajarathinam, M., Chu, S. L., Kuttolamadom, M., & Quek, F. (2021, July). Design and Development of a Horizontal CTE Curriculum to Prepare Students for the New Manufacturing Economy (Work in Progress). In 2021 ASEE Virtual Annual Conference Content Access.
- **Li, Q.,** Chu, S., Rao, N., & Nourani, M. (2020, October). Understanding the Effects of Explanation Types and User Motivations on Recommender System Use. In Proceedings of the AAAI Conference on Human Computation and Crowdsourcing (Vol. 8, No. 1, pp. 83-91).
- Brown, S. A., Chu, S. L., Quek, F., Canaday, P., **Li, Q.,** Loustau, T., ... & Zhang, L. (2019, November).

Towards a Gesture-Based Story Authoring System: Design Implications from Feature Analysis of Iconic Gestures During Storytelling. In International Conference on Interactive Digital Storytelling (pp. 364-373).

Skills

- **Software development:** JavaScript, HTML, MySQL, C#, C
- **UX Design:** User study, Prototype design, Qualitative/Quantitative data analysis, Usability test

Professional Services

- Presented paper at AAAI Conference on Human Computation and Crowdsourcing;
- Presented paper at Annual Meeting of the American Educational Research Association;
- Leading research project in the lab
- Showcased lab project in academic events
- Mentoring undergraduate student worked on designing a dashboard to help high school students' learning progress in an integrated technical course.

Recent Awards

CISE Scholarship, April 2023

4th place at UF IoT Design Competition 2021, Gainesville Sep 2021

Role: Research document writer

- Designed and implemented an exemplar system that integrated the wearable sensors, smartphones, and web-based applications to naturally capture one's curiosity moments and visualize them effectively with dashboard on smartphone or computer