Qian Zhu

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EDUCATION

The Hong Kong University of Science and Technology (HKUST) Hong Kong
Ph.D. in Computer Science and Engineering 2024
Advisor: Xiaojuan Ma

University of Chinese Academy of Science (UCAS) Beijing
Institute of Software, Chinese Academy of Sciences (ISCAS)
M.Sc. in Computer Science and Software 2020

Shandong University (SDU) Shandong
B.Eng. in Digital Media and Technology 2017

PROFESSIONAL EXPERIENCE

Renmin University of China (RUC) (Beijing, China) September 2024 – now
School of Information
Key Lab of Data Engineering and Knowledge Engineering
Visiting Scholar in IDEAS Lab

Georgia Institute of Technology (Atlanta, GA, USA)
School of Interactive Computing December 2023 – May 2024
Visiting Ph.D. Student (Immersive Visualization & Interaction Group)
Mentored by Dr. Yalong Yang

The Hong Kong University of Science and Technology (Guangzhou) (Guangzhou, China)
Computational Media and Arts January 2023 – September 2023
Visiting Ph.D. Student (Collaborative Interactive Visualization & Analysis Lab)
Mentored by Dr. Wei Zeng

Huawei Tech. Investment Co., Ltd. (Shenzhen, China)
Human-Machine Lab September 2022 – December 2022
Ph.D. Student Internship

SELECTED PUBLICATIONS

Journal Papers (peer-reviewed)

1. **Qian Zhu**, Tao Lu, Shunan Guo, Xiaojuan Ma, and Yalong Yang. "CompositingVis: Exploring Interactions for Creating Composite Visualization in Immersive Environments". IEEE Transactions on Visualization and Computer Graphics (Proceedings of IEEE VIS '24). (**CCF A**)

2. **Qian Zhu**, Lingping Yuan, Zian Xu , Leni Yang , Meng Xia, Zhuo Wang, Hai-Ning Liang, and Xiaojuan Ma. "From Reader to Experiencer: Design and Evaluation of an Interactive VR Data

Story for Promoting the Situation Awareness of Public Health Threats". *International Journal of Human-Computer Studies*, 181, article no. 103137, 2024. (**CCF A**)

3. **Qian Zhu**, Leo Yu-Ho Lo, Meng Xia, Zixin Chen, and Xiaojuan Ma. "Bias-Aware Design for Informed Decisions: Raising Awareness of Self-Selection Bias in User Ratings and Reviews". *Proceedings of the ACM on Human-Computer Interaction 6, CSCW2 (November 2022),* Article 496, 31 pages. (**CCF A**)

4. Yilin Ye, **Qian Zhu**, Shishi Xiao, Kang Zhang, and Wei Zeng. "The Contemporary Art of Image Search: Iterative User Intent Expansion via Vision-Language Model". *Proceedings of the ACM on Human-Computer Interaction 6, CSCW1,* 2024. (**CCF A**)

5. Meng Xia, **Qian Zhu**, Xingbo Wang, Fei Nie, Humin Qu and Xiaojuan Ma. "Persua: A Visual Interactive System to Enhance the Persuasiveness of Arguments in Online Discussion". *Proceedings of the ACM on Human-Computer Interaction. 6, CSCW2,* Article 319, 2022. (**CCF A**)

6. Cuixia Ma, Jiancheng Song, **Qian Zhu**, Kevin Maher, Zeyu Huang, Hong-An Wang. "EmotionMap: Visual Analysis of Video Emotional Content on a Map". *Journal of Computer Science and Technology*, 35, 576-591, 2020. (**CCF B**)

Conference Papers (strictly peer-reviewed)

1. **Qian Zhu**, Zhuo Wang, Wei Zeng, Tong Wai, Weiyue Lin, and Xiaojuan Ma. "Make Interaction Situated: Designing User Acceptable Interaction for Situated Visualization in Public Environments". Proceedings of the CHI Conference on Human Factors in Computing Systems, CHI 2024. (**CCF A**)

2. **Qian Zhu**, Dakuo Wang, Shuai Ma, April Yi Wang, Zixin Chen, Udayan Khurana, and Xiaojuan Ma. "Towards Feature Engineering with Human and AI's Knowledge: Understanding Data Workers' Perceptions in Human & AI-Assisted Feature Engineering Design." Proceedings of the 2024 ACM Designing Interactive Systems Conference, DIS 2024. (**CCF C**) accept rate: ~25%.

3. Tao Lu, **Qian Zhu**, Tiffany Ma, Wong Kam-Kwai, Anlan Xie, Alex Endert, Yalong Yang. "Ego vs. Exo and Active vs. Passive: Investigating the Individual and Combined Effects of Viewpoint and Navigation on Spatial Immersion and Understanding in Immersive Storytelling." Proceedings of the CHI Conference on Human Factors in Computing Systems, CHI 2025. (**CCF A**)

4. Hanfang Lyu, Xiaoyu Wang, Nandi Zhang, Shuai Ma, **Qian Zhu**, Yuhan Luo, Fugee Tsung, Xiaojuan Ma. "Signaling Human Intentions to Service Robots: Understanding the Use of Social Cues during In-Person Conversations." Proceedings of the CHI Conference on Human Factors in Computing Systems, CHI 2025. **HONORABLE MENTION** (**CCF A**)

Short Paper and Posters in Conference Proceedings

1. Xiaofeng Dou, Jiahe Dong, Shuhao Zhang, **Qian Zhu**, Quan Li. "Danmaku Avatar: Enabling Asynchronous Co-viewing Experiences in Virtual Reality via Danmaku." *In Extended Abstracts of ACM CHI 2025 Conference on Human Factors in Computing Systems.* (**CCF A**)

2. Weiyue Lin, Ting Li, Liu Liu, and **Qian Zhu**. "Unfold and Go Touch: A Portable Method for Making Existing Touchscreens Accessible to Blind and Low Vision People in Self-Service Terminals". *In Extended Abstracts of ACM CHI 2023 Conference on Human Factors in Computing Systems.*

article no 302, pp. 1-7. **(CCF A)**

3. **Qian Zhu**, Shuai Ma and Cuixia Ma. "Pre-screen: Assisting Material Screening in Early-stage of Video Editing". *Adjunct Proceedings of the 32nd Annual ACM Symposium on User Interface Software and Technology (UIST),* October 2019, Pages 50–52. **(CCF A)**

4. **Qian Zhu** and Shuai Ma. "What Did I Miss? Assisting User-adaptive Missed Content Reviewing in MOOC Learning". *Adjunct Proceedings of the 32nd Annual ACM Symposium on User Interface Software and Technology (UIST),* October 2019, Pages 53-55. **(CCF A)**

AWARDS AND HONORS

Awards

- Best Paper Honorable Mention Award, CHI 2025, Yokohama, Japan, 2025

Service Awards

- 1 Special Recognition for Outstanding Reviews, ACM CHI'25, full paper.
- 2 Special Recognition for Outstanding Reviews, ACM CHI'24, full paper.
- 1 Special Recognitions for Outstanding Reviews, IEEE VIS'23, full paper.
- 1 Special Recognition for Outstanding Reviews, ACM CHI'24, Late-Breaking Work.

Fellowships and Scholarships
- Overseas Research Award, (HKUST, HKD 50,000), 2023-2024
- Hong Kong Postgraduate Studentships, (HKUST, HKD 226,000/year), 2023-2024
- Huawei Ph.D. Fellowship, (Huawei Tech. Co. Ltd. HKD 270,000/year), 2020-2022
- First-class scholarship for outstanding students, Chinese Academy of Science, 2019
- Outstanding undergraduate, Shandong University, 2017
- First-class Student Scholarship, Shandong University, (~$500), 2014-2017

TEACHING EXPERIENCE

Teaching Assistant
COMP 4462 Data Visualization (by Prof. Xiaojuan MA)	Sep. 2023 – Dec. 2023
COMP 4462 Data Visualization (by Prof. Xiaojuan MA)	Sep. 2021 – Dec. 2021
COMP 1029P Python Programming (by Lecturer Gibson LAM)	Jan. 2021 – Apr. 2021

Guest Lecturer
CMAA 5023 Programming for Virtual and Augmented Reality (by Prof. Wei Zeng)	Apr. 2023
Design and Conduct User Study, at CMA Thrust of HKUST (GZ)	Oct. 2023

SERVICE

Conference Review

Euro Vis	2025
IEEE Pacific Vis	2024
ACM SIGGRAPH Asia (full paper)	2024

IEEE VIS Conference(full paper)	2023-2024
IEEE VIS Conference(short paper)	2022
ACM Conference on Human Factors in Computing Systems (CHI)	2022-2025
ACM Designing Interactive Systems (DIS)	2024

Extended Abstracts of ACM Conference on Human Factors in Computing Systems (CHI EA) 2022-2025

ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW) 2022-2023

International Symposium on Visual Information Communication and Interaction (VINCI)	2024
The China Visualization and Visual Analytics Conference (ChinaVis)	2022

Journal Review

International Journal of Human-Computer Studies	2025
ACM Transactions on Computer-Human Interaction	2021
Journal of Computer Science and Technology	2019

MENTORING EXPERIENCE

Yifan Wang (Master student from RUC, co-advisor: Yunhan Wang)	2025
Hanying Xu (Master student from RUC, co-advisor: Yunhan Wang)	2025
Tao Lu (Master student from Georgia Tech., co-advisor: Yalong Yang)	2024
Zhiyao Yang (PhD student from HKUST(Guangzhou), co-advisor: Wei Zeng)	2024
Yilin Ye (PhD student from HKUST(Guangzhou), co-advisor: Wei Zeng)	2023
Zhan Wang (PhD student from HKUST(Guangzhou), co-advisor: Wei Zeng)	2023
Zhuo Wang (Undergraduate student from Xi'an Jiaotong Liverpool University)	2023
Weiyue Lin (Master student from Peking University)	2023
Zian Xu (Undergraduate student from HKUST, co-advisor: Xiaojuan Ma)	2022
Zixin Chen (Undergraduate student from HKUST, co-advisor: Xiaojuan Ma)	2021
Fei Nie (Undergraduate student from HKUST, co-advisor: Xiaojuan Ma)	2020