

Qian Zhu | Curriculum Vitae

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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

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

PUBLICATIONS

Journal Papers (The names of the supervisors I worked with are underlined)

1. **Qian Zhu**, Lingping Yuan, Zian Xu, Leni Yang, Meng Xia, Zhuo Wang, [Hai-Ning Liang](#), and [Xiaojuan Ma](#). "From Reader to Experienter: 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.
2. **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.
3. 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 (November 2024, *accept*).

4. 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 (November 2022), 30 pages.
5. 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.

Conference Papers

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". In *Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems (CHI '24)*. Conditionally Accepted.

Extended Abstracts (Posters) in Conference Proceedings

1. 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*. (2023). article no 302, pp. 1-7.
2. **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*, October 2019, Pages 50–52.
3. **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*, October 2019, Pages 53-55.

AWARDS AND HONORS

Awards

- Special Recognitions for Outstanding Reviews, ACM CHI'24, full paper.
- Special Recognitions for Outstanding Reviews, IEEE VIS'23, full paper.

Fellowships and Scholarships

- Overseas Research Award, (HKUST, HKD 50,000), 2023-2024
- Hong Kong Postgraduate Studentships, (HKUST, HKD 18,895/year), 2023-2024
- Huawei Ph.D. Fellowship, (Huawei Tech. Co. Ltd. HKD 22,618/year), 2020-2022
- Outstanding undergraduate, Shandong University, 2017
- Student Scholarship, Shandong University, (~\$500), 2014-2017

TEACHING EXPERIENCE

Teaching Assistant

January 2024

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

COMP 1029P VR Programming (by Prof. Wei Zeng)	Apr. 2023
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SERVICE

Conference Review

IEEE VIS Conference (full paper)	2023-2024
IEEE VIS Conference (short paper)	2022
ACM Conference on Human Factors in Computing Systems (CHI)	2022-2024
Extended Abstracts of ACM Conference on Human Factors in Computing Systems (CHI EA)	2022-2023
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

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

MENTORING EXPERIENCE

Zhuo Wang (Undergraduate student from Xi'an Jiaotong Liverpool University)	2022-2023
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

SKILLS

Programming: Python, C#, JavaScript, HTML, CSS

Drawing: Figma, PowerPoint, Adobe Photoshop and Illustrator, SketchBook

Data Analysis: Statistical Analysis, Qualitative Coding, Thematic Analysis