

XIAOFU JIN

Email : xjinao@connect.ust.hk | Website : <https://xiaofu-jin.github.io>

EDUCATION

Hong Kong University of Science and Technology

Ph.D. candidate of Academy of Interdisciplinary Studies

Advisor: Prof. Fan Mingming and Prof. Qu Huamin

Hong Kong, China

Feb. 2022 – now

Rochester Institute of Technology

Ph.D. student of Computational and Information Science

Advisor: Prof. Fan Mingming

Rochester, NY, USA

Aug. 2020 – May. 2021

Beijing University of Posts and Telecommunications

Master of Computer Science

Thesis: Research and Application of Image Classification Technology in Agriculture

Beijing, China

Sept. 2017 – July. 2020

Beijing University of Posts and Telecommunications

Bachelor of Artificial Intelligence Science and Technology

Thesis: Design and Implementation of Image Style Extraction Algorithm

Beijing, China

Sept. 2013 – June. 2017

WORK EXPERIENCE

Baidu

full-time job, Machine Learning Algorithm Engineer

Beijing, China

July 2018 - July 2019

DeepIR Inc.

full-time job, Deep Learning Researcher

Beijing, China

July 2017 - July 2018

SELECTED PEER-REVIEWED JOURNAL PUBLICATIONS

- 2022 J2 **Xiaofu Jin**, Xiaozhu Hu, Xiaoying Wei and Mingming Fan. 2022. “Synapse: Interactive Guidance by Demonstration with Trial-and-Error Support for Older Adults to Use Smartphone Apps”. In *ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT’22)*. DOI: 10.1145/3550321
- 2020 J1 Peng Lu, Hao Zhang, Xujun Peng, and **Xiaofu Jin**. 2020. Learning the Relation between Interested Objects and Aesthetic Region for Image Cropping. In *IEEE Transactions on Multimedia (TMM’20)*. DOI: 10.1109/TMM.2020.3029882

SELECTED PEER-REVIEWED CONFERENCE PUBLICATIONS

- 2025 C13 Shuchang Xu, **Xiaofu Jin**, Huamin Qu, Yukang Yan. 2024. DanmuA11y: Making Time-Synced On-Screen Video Comments (Danmu) Accessible to Blind and Low Vision Users via Multi-Viewer Audio Discussions. In *Proc. ACM CHI Conference on Human Factors in Computing Systems (CHI’25)*. DOI: 10.1145/xxx
- 2024 C12 **Xiaofu Jin**, Wai Tong, Xiaoying Wei, Xian Wang, Emily Kuang, Xiaoyu Mo, Huamin Qu, Mingming Fan. 2024. Exploring the Opportunity of Augmented Reality (AR) in Supporting Older Adults Explore and Learn Smartphone Applications. In *Proc. ACM CHI Conference on Human Factors in Computing Systems (CHI’24)*. DOI: 10.1145/3613904.3641901
- C11 **Xiaofu Jin**, Mingming Fan. EarMonitor: At-Home Examination of Ear Health Conditions Using a Low-cost Endoscope Camera. In *Proc. ACM Conference on Mobile Human-Computer Interaction (MHCI’24)*. DOI: 10.1145/3676499
- C10 Shuchang Xu, Chang Chen, Zichen Liu, **Xiaofu Jin**, Lin-Ping Yuan, Yukang Yan, Huamin Qu. Memory Reviver: Supporting Photo-Collection Reminiscence for People with Visual Impairment via a Proactive Chatbot. In *Proc. ACM Symposium on User Interface Software and Technology (UIST’24)*. DOI: 10.1145/3654777.3676336
- C9 Xiaoying Wei, **Xiaofu Jin**, Ge Lin Kan, Yukang Yan, Mingming Fan. Systematic Literature Review of Using Virtual Reality as a Social Platform in HCI Community. In *Proc. ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW’24)*. DOI: xxx

- C8 Ziwei Wu, **Xiaofu Jin**, Danlu Fei, Yifang Wang, Kang Zhang. “Hidden Incidents of Pet Food”: Portraying Taurine Deficiency in Cats. Accepted in International Symposium on Electronic Art (ISEA’24).
- 2023 C7 Yuru Huang*, Jingling Zhang*, **Xiaofu Jin** and Mingming Fan. Understanding Curators’ Practices and Challenges of Making Exhibitions More Accessible for Blind and Low-Vision People. In Proc. ACM Conference on Computers and Accessibility (ASSETS’23). DOI: 10.1145/3597638.3608384
- C6 Xian Wang*, Xiaoyu Mo*, Lik-Hang Lee, Xiaoying Wei, **Xiaofu Jin**, Mingming Fan, and Pan Hui. Designing Loving-Kindness Meditation in Virtual Reality for Long-Distance Romantic Relationships. In Proc. ACM Multimedia (MM’23). DOI: 10.1145/3581783.3612438
- C5 Xiaoying Wei, Yizheng Gu, Emily Kuang, Xian Wang, Beiyan Cao, **Xiaofu Jin**, and Mingming Fan. Bridging the Generational Gap: Exploring How Virtual Reality Supports Remote Communication Between Grandparents and Grandchildren. In Proc. ACM CHI Conference on Human Factors in Computing Systems (CHI’23). DOI: 10.1145/3544548.3581405
- 2022 C4 **Xiaofu Jin***, Xiaoying Wei*, and Mingming Fan. Communication in immersive social virtual reality: A systematic review of 10 years’ studies. In Proc. Chinese CHI 2022. DOI: 10.1145/3565698.3565767 - **Honorable Mention Award**
- C3 **Xiaofu Jin**, and Mingming Fan. 2022. “I Used To Carry A Wallet, Now I Just Need To Carry My Phone”: Understanding Current Banking Practices and Challenges Among Older Adults in China. In Proc. ACM Conference on Computers and Accessibility (ASSETS’22). DOI: 10.1145/3517428.3544820
- C2 Emily Kuang, **Xiaofu Jin**, and Mingming Fan. 2022. “Merging Results Is No Easy Task”: An International Survey Study of Collaborative Data Analysis Practices Among UX Practitioners. In Proc. ACM CHI Conference on Human Factors in Computing Systems (CHI’22). DOI: 10.1145/3491102.3517647
- 2021 C1 **Xiaofu Jin**, Emily Kuang, and Mingming Fan. 2021. “Too old to bank digitally?”: A Survey of Banking Practices and Challenges Among Older Adults in China. In Proc. ACM Designing Interactive Systems Conference (DIS’21). 802–814. DOI: 10.1145/3461778.3462127

HONORS AND AWARDS

- Overseas Scholarship, HKUST, 2025
- Research Travel Grant (three times), HKUST, 2023
- Honorable Mention Award, ACM ChineseCHI, 2022
- Second Prize in AI competition in National Huawei Cup, Huawei, 2016
- Excellent Student Scholarship, BUPT, 2016

PROFESSIONAL SERVICE

- Paper Reviewer: ACM CHI 2022 - 2025, CSCW 2023 - 2025, Ubicomp 2023 - 2025
- Student Volunteer: DIS 2021, Ubicomp 2023
- Session Chair: CHI 2024
- Teaching Assistant: COMP4062 Visualization 2023; CMAA5017 AR and VR 2024
- Program Committee: CHI 2024, 2025