Xiaojuan Ma, Curriculum Vitae

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Research Interests

- Human-Engaged Computing: human-engaged AI
- Human-Computer Interaction: robot and virtual agent, VR/AR/MR, visualization, affective and social computing, ubiquitous computing
- Specific application domains: education, healthcare, design, entertainment, e-commerce

Education

Ph.D.: Computer Science, Princeton University Advisor: Perry Cook *09/2010*
Thesis: *Communication beyond Words: Multimedia Approaches to Bridging Language Disabilities and Barriers*.
M.A.: Computer Science, Princeton University *05/2007*
B.Sc.: Computer Science and Technology, Tsinghua University, China *07/2005*
Minor: English, Tsinghua University, China *07/2005*

Employment

Associate Professor, Hong Kong University of Science and Technology, Hong Kong *07/2021 - Present*
Assistant Professor, Hong Kong University of Science and Technology, Hong Kong 0*7/2015 – 06/2021*
Human-Computer Interaction Initiative, Department of Computer Science and Engineering
Affiliated with HKUST Big Data Institute, HKUST Robotics Institute, IIM Program
Researcher, Noah's Ark Lab, Hong Kong *12/2012 - 06/2015*
Human-Computer Interaction: mobile interactions, mobile intelligence, eye-tracking, etc.
Postdoctoral Scholar, Carnegie Mellon University, Pittsburgh, PA *03/2011 - 11/2012*
Human-Computer Interaction, HCI Institute (with Jodi Forlizzi)
Awarded as Computing Innovation Fellow by CRA (Computing Research Association)
Research Fellow, National University of Singapore, Singapore *08/2010 - 02/2011*
Information Systems (with Jack Zhenhui Jiang)
Research Assistant, Computer Science, Princeton University, Princeton, NJ 09/*2005 - 07/2010*
Research Internship, University of British Columbia, BC, Canada *05/2007 - 08/2007*
Dept. of Psychology (with Peter Graf) and Dept. of Computer Science (with Joanna McGrenere)
Internship, Educational Testing Service, Princeton, NJ *09/2006 - 03/2007*
User Experience Group

Selected Awards

"2026 AI 2000 Most Influential Scholar Award Honorable Mention" in HCI, AMiner *08/2026*
"Best Paper Award" x 2, ACM CHI 2026, Barcelona, Spain (Top 1% of submissions) *04/2026*
"Best Paper Honorable Mention Award", ACM CHI 2026, Barcelona, Spain *04/2026*
"Best Paper Honorable Mention Award", ACM CSCW 2025, Bergen, Norway *10/2025*
"Best Paper Honorable Mention Award" x 3, ACM CHI 2025, Yokohama, Japan *05/2025*
"Best Paper Award", ACM CHI 2024, Hawaii, USA (Top 1% of submissions) *05/2024*
"Best Paper Honorable Mention Award", ACM CHI 2024, Hawaii, USA *05/2024*
"Best Industry Application Award - Bronze", IEEE RO-MAN, Pasadena, California, USA *08/2024*

"Impact Recognition Award", ACM CSCW 2023, Minnesota, USA *10/2023*
"Recognition for Contribution to Diversity and Inclusion Award", ACM CSCW 2023 *10/2023*
"Method Recognition Award", ACM CSCW 2022 *10/2022*
"Best Paper Honorable Mention Award" ACM Learning @ Scale 2022, USA *06/2022*
"Senior Member" The Association for Computing Machinery (ACM) *05/2022*
"Senior Member" The Institute of Electrical and Electronics Engineers (IEEE) *04/2022*
"Senior Member" China Computer Federation (CCF) *04/2022*
"Best Paper Award" Chinese CHI 2021, Online *10/2021*
"Publishing Award" Japan Society of Kansei Engineering for our book "Cuteness Engineering" *09/2020*
"Service Award" Interactional Chinese Association of Computer-Human Interaction *07/2020*
"Best Paper Honorable Mention Award" ACM CHI 2020, USA *04/2020*
"Best Video Award" Chinese CHI 2017, Guanzhou, China *04/2017*
"Best Paper Honorable Mention Award" ACM UbiComp 2016, Germany *09/2016*
"Excellent Young (Chinese) leader in HCI Award", Interactional Chinese Association of Computer- Human Interaction (ICACHI) *05/2016*
"Best Paper Honorable Mention Award" ACM CSCW 2015, Vancouver, Canada *03/2015*
"Best Paper Award" IDHF 2014, Japan, *11/2014*
"Best Paper Award" Chinese CHI 2014, Toronto, Canada *05/2014*
"Excellent Innovator Award", Huawei Noah's Ark Lab *06/2014*
"Star of 2012 Labs", Huawei Noah's Ark Lab *04/2014*
Computing Innovation Fellows, Computing Research Association *09/2010, 09/2011*
Post-doc fellowship awarded by National Science Foundation with Carnegie Mellon University
"Best Paper Honorable Mention Award" ACM CHI 2010, Atlanta, GA, USA *05/2010*
"Outstanding Graduates of the Year", Tsinghua University *07/2005*
Beihai Guo Fa Company Scholarship, Tsinghua University *11/2004*
Sony Scholarship, Tsinghua University *11/2003*
Wei Lun Scholarship, Tsinghua University *11/2002*
"Best student" Award in Electronic Working Technology Practice, Tsinghua University *08/2002*
Second Place in National Physics Competition, Tsinghua University *05/2002*
"Excellent Student" Scholarship, Tsinghua University *09/2001*

Funded Projects

RGC - General Research Fund (GRF) 16207923: PI, HKD 1,228,619 *1/1/2024 - 31/12/2026*
Socially Acceptable Robot Interactions with Objects in Human Environments
RGC - General Research Fund (GRF) 16203421: PI, HKD 838,393 *1/1/2022 - 31/12/2024*
Teaching Robots Functional Affordance via Knowledge Grounding and Demonstration
RGC - General Research Fund (GRF) 16204420: PI, HKD 845,055 *1/1/2021 - 31/12/2023*
Scaling Up Robot Skill Acquisition When Learning from Human Demonstration
RGC - General Research Fund (GRF) 16204819: PI, HKD 518,999 *1/1/2020 - 31/12/2022*
Transparency in Robot Learning from Demonstration
(UGC - Research Infrastructure Grant IRS20EG25: HKD 30,000)
RGC – Area of Excellence (AoE) AoE/E-601/24-N: Co-PI, HKD 78,127,000 *1/1/2025 - 31/12/2029*
Frontier and Human-centric AI and Robotics Technology for Geriatric Care
RGC - Theme-based Research Scheme [Sub] T43-518/24N-1: PI, HKD 1,041,000 *1/1/2025 - 31/12/2029*
Social Robots with Embedded Large Language Models Releasing Stress among the Hong Kong Population (Co-PI

of T43-518/24N: HKD 36,000,000)
(UGC - Research Infrastructure Grant VPRDO25EG08: HKD 46,000)

RGC - Theme-based Research Scheme [Sub] T45-407/19N-2: PI, HKD 1,075,000 *1/1/2020 - 31/12/2025*
Research and Development of Artificial Intelligence in Extraction and Identification of Spoken Language Biomarkers for Screening and Monitoring of Neurocognitive Disorders (Co-I of T45-407/19N: HKD 50,000,000)
(UGC - Research Infrastructure Grant VPRDO20EG03: HKD 27,000)

RGC - Theme-based Research Scheme T44-707/16N: Co-I, HKD 3,919,000 *1/11/2016 - 31/10/2021*
Learning and Assessment for Digital Citizenship
(UGC - Research Infrastructure Grant VPRGO17EG03: HKD 436,600)

RGC - Strategic Topics Grant (STG) STG2/E-603/26R: Co-PI, HKD 27,620,000 *1/1/2027 - 31/12/2031*
PMAI-PD: A Personalized Multimodal AI Platform for Integrated Life-Cycle Management of Parkinson's Disease in Aging Populations

RGC - Collaborative Research Fund (CRF) C6044-23G: Co-PI, HKD 5,071,230 *30/6/2024 - 29/6/2027*
Transfer Learning for Smooth Worker-Robot Collaboration in Dynamic and Uncertain Workplaces
(UGC - Research Infrastructure Grant VPRDO24EG17: TBD)

RGC - Collaborative Research Fund (CRF) C6030-18G: Co-PI, HKD 3,716,381 *29/6/2019 - 28/6/2022*
A Human-Powered Machine Learning System
(UGC - Research Infrastructure Grant VPRDO19EG05: HKD 494,900)

RGC - Research Impact Fund (RIF) R6005-24: Co-PI, HKD 4,500,000 *1/1/2025 - 31/12/2029*
OrthoAI: Mobile Tools for Early Orthodontic Management & Education in Children with Multi-view Multi-modality Language-Vision Foundation Models

ITC - ITF Aerospace Technology ITS/003/24SC: Co-PI, HKD 18,606,487 *18/8/2025 - 17/8/2028*
Monitoring Greenhouse Gas Emission Point Sources From China Space Station

ITC - ITF Platform Research Scheme ITS/353/19FP: Co-I, HKD 2,945,000 *1/9/2020 - 31/8/2022*
A Multi-Modal, Multi-Task Smart In-Car Assistant for 5G Connected Cars

ITC - ITF Platform Research Scheme ITS/319/16FP: Co-I, HKD 8,595,928 *1/6/2017 - 30/11/2019*
Multichannel Emotion and Intent Inference and Expression for Human- Robot Interactions
Innovation and Technology Support Programme (Tier 2) - (UST-Berkeley Research Collaboration)

Microsoft Research Asia Collaborative Research Grant - MRA26EG01: PI, HKD 228,340
Agentic Media for the Future of Collaborative Work and Communication *1/7/2026 - 30/6/2027*

HKUST-Alibaba ALIBABACHN25EG01: Joint PI, HKD 500,000 *12/3/2026 - 11/3/2027*
Fostering User Trust during AI-powered Data Analysis and Presentation

HKUST-Alibaba ALIBABACHN25EG01: PI, HKD 400,000 *1/1/2025 - 31/12/2025*
Robot Task Learning through Virtual Human Demonstration

HKUST-HKPC HKPC22EG01-A: PI, HKD 417,391 *1/8/2022 - 31/12/2023*
Robot Task Learning through Virtual Human Demonstration

CORE Project - QNLM20SC01-AA: PI, HKD 500,000 *1/8/2024 - 31/7/2025*
Integrated Machine Learning-Numerical Model-Visualization System in the China Sea

CORE Project - QNLM20SC01-M: PI, HKD 300,000 *1/6/2022 - 31/5/2024*
Interactive Visual Analytics of Dissolved Inorganic Carbon in the South China Sea

WeBank WEB19EG01-D: CI, HKD 418,091 *1/9/2019 - 14/4/2022*
Innovative, Interactive, and Collaborative Online Advertising
(UGC - Research Infrastructure Grant RMGS20EG01-D: HKD 181,818)

WHATLab 1617170-0: PI, HKD 188,400 *1/2/2017 - 13/1/2018*

Pose-based Human Emotion Inference

WHATLab 1516144-0: PI, HKD 162,000 *15/2/2016 - 14/2/2017*

Multimodality Footing in Human-Robot Conversations

HKUST-EdUHK JC_AI - FB454: Co-PI, HKD 250,000 *1/3/2024 - 30/6/2026*

Enhancing Language Teachers' Professional Development in the Greater Bay Area through an Online Community of Inquiry Approach: Integrating AI and Corpus Technology for TPACK Development

ASPIRE League Partnership Seed Fund 2021#3: Co-PI, HKD 50,000 *1/9/2021 - 28/2/2023*

Mitigating Filter Bubbles in Social Media Consumption with AI

HKUST-SJTU Joint Research Collaboration Fund SJTU20EG02: PI, HKD 50,000 *1/9/2020 - 31/8/2021*

Technology-Supported Psychological Wellbeing: Mitigating the Impacts of COVID-19

RDC 24251280: PI, HKD 900,039 *1/4/2025 - 30/9/2026*

Creating the Next Generation Customer Service System in a Restaurant Environment through the Use of Conversational AI, Vision AI, and AR Devices

RDC 19201890HWLB15M013: PI, HKD 437,450 *23/6/2020 - 31/12/2020*

Evaluation Model of Critical Dimensions for Brand Differentiation

RDC 1817169-0, 1718170-0, 1718171-0: PI, HKD 568,856 *1/5/2018 - 30/9/2019*

Network Embedding on Financial Data

HKUST Aging Center - VPRDO22EG05PG: Co-PI, HKD 972,000 *1/6/2022 - 31/5/2024*

Humanoid Robotic Healthcare Assistant

HKUST Sports Science and Technology SSTRG24EG07: PI, HKD 922,720 *30/10/2023 - 25/10/2025*

Non-intrusive Daily Monitoring of Vital Signs/Emotion of Athletes in the Morning via Mobile App

30 for 30 Seed Funding VP3030S23EG14: PI, HKD 500,000 *1/3/2023 - 31/3/2025*

A Human-AI Collaboration System for Synthetic Organic Chemistry Research

Initiation Grant IGN15EG02: PI, HKD 172,900 *1/1/2016 - 31/12/2017*

Developing a sensible model of engagement in multi-party interactions in human-robot team

Research Equipment Competition REC15EG04: PI, HKD 520,560 *14/12/2015 - 10/6/2016*

Human-machine Hybrid Computing System

Selected Publications (Graduate advisees are in *underlined italic*, other mentees are in underline)

Book or Book Chapter

1. **Xiaojuan Ma**. "Embracing Human-Engaged AI: Alignment and Enlightenment". Ren, X. and Wang, C. (Ed.) *Human-Engaged Computing*. 2026. Chapman and Hall/CRC. 163-192.
2. **Xiaojuan Ma**. "Ecological Thinking in HCI". Fu, Z., Barbara, A., and Scupelli, P. (Ed.) *Digital Futures in Human-Computer Interaction*. 2025. CRC Press. DOI: 10.1201/9781032693606-16.
3. Haipeng Mi and **Xiaojuan Ma**. "Human-Robot Interaction". Yu, C. and Feng, G. (Ed.) Ten Lectures on Human-Computer Interaction. 2025. China Machine Press.
4. Marcus, Aaron and **Xiaojuan Ma**. "Cuteness Engineering and UX Design". *Human-Automation Interaction*. 2023. Springer, 163-179.
5. *Li, Quan*, *Ziming Wu*, Huamin Qu, and **Xiaojuan Ma**. "Co-design of an Interactive Analytics System for Multiplayer Online Battle Arena Game Occurrences". Wallner, G. (Ed.) *Data Analytics Applications in Gaming and Entertainment*. July, 2019.
6. Marcus, Aaron, Masaaki Kurosu, **Xiaojuan Ma**, Ayako Hashizume. "*Cuteness Engineering: Designing Adorable Products and Services"*. Springer Series on Cultural Computing. Springer International Publishing. 2017. DOI: 10.1007/978-3-319-61961-3

Refereed Journal Papers

1. Hu, Jiaxiong, Ruowen Niu, Qiuxin Du, Chenzhuo Xiang, Yirui Zuo, Jihong Jeung, and **Xiaojuan Ma**. "The speculative future of conversational AI for neurocognitive disorder screening: a multi-stakeholder perspective." *International Journal of Human-Computer Studies (IJHCS).* (July 2026): 103892 (online).
2. Tian, Yang, Junfeng He, Hai-Ning Liang, **Xiaojuan Ma**, Shengdong Zhao, Teng Han, Qingbao Huang, and Zexiang Le. 2026. "PointerHalo: Hands-Free XR App Navigation Using Subtle Head Movements." *International Journal of Human–Computer Interaction (IJHCI)*, (June 2026). 1–21. doi:10.1080/10447318.2026.2670532.
3. Sun, Yuling, **Xiaojuan Ma**, and Alex Jiahong Lu. "In the Meantime of Informal Care: Navigating Temporal Tensions in Timebanking." *Proceedings of the ACM on Human-Computer Interaction*. 10, 2, Article CSCW020 (April 2026), 26 pages. https://doi.org/10.1145/3788056
4. *Huang, Zeyu*, Xinyi Cao, Yue Deng, *Junze Li*, *Kangyu Yuan*, and **Xiaojuan Ma**. "Exploring the Grassroots Understanding and Practices of Collective Memory Co-Contribution in a University Community." *Proceedings of the ACM on Human-Computer Interaction* 10, 1, Article GROUP009 (March 2026), 30 pages. https://doi.org/10.1145/3799444
5. Jiang, Zhihan, Running Zhao, Lin Lin, Yue Yu, Handi Chen, Xinchen Zhang, Xuhai Xu, Yifang Wang, **Xiaojuan Ma**, and Edith CH Ngai. "DietGlance: dietary monitoring and personalized analysis at a glance with knowledge-empowered AI assistant." *ACM Transactions on Computing for Healthcare* 7, 2, Article 34 (April 2026), 46 pages. https://doi.org/10.1145/3797883
6. *Guo, Qingyu*, Yuqi Zhang, *Kangyu Yuan*, Changyang He, Zhenhui Peng, and **Xiaojuan Ma**. "Exploring the Evolvement of User Engagement in Online Creative Community under the Surge of Generative AI: A Case Study of DeviantArt." *Proceedings of the ACM on Human-Computer Interaction*. 9, 7, Article CSCW293 (November 2025), 35 pages. https://doi.org/10.1145/3757474
7. Sun, Yuling, Wenjing Yue, Xiaofu Jin, *Shuai Ma*, **Xiaojuan Ma**, and Xiaoling Wang. "When Traditional Medicine Meets AI: Critical Considerations for AI-Empowered Clinical Support in Traditional Medicine." *Proceedings of the ACM on Human-Computer Interaction*. 9, 7, Article CSCW524 (November 2025), 37 pages. https://doi.org/10.1145/3757705
8. Sun, Yuling, Sam Addison Ankenbauer, Zhifan Guo, Yuchen Chen, **Xiaojuan Ma**, and Liang He. " Rethinking Technological Solutions for Community-Based Older Adult Care: Insights from 'Older Partners' in China." *Proceedings of the ACM on Human-Computer Interaction*. 9, 2, Article CSCW160 (May 2025), 36 pages. https://doi.org/10.1145/3711058 (**Best Paper Honorable Mention Award at ACM CSCW 2025**)
9. Tian, Yang, Youpeng Zhang, Yukang Yan, Shengdong Zhao, **Xiaojuan Ma**, and Yuanchun Shi. "AmplitudeArrow: On-the-Go AR Menu Selection Using Consecutive Simple Head Gestures and Amplitude Visualization." *IEEE Transactions on Visualization and Computer Graphics (TVCG)*. (2025): 1-15. doi: 10.1109/TVCG.2025.3531378.
10. Li, Quan, Yun Tian, Xiyuan Wang, Laixin Xie, Dandan Lin, Lingling Yi, and **Xiaojuan Ma**. "MetapathVis: Inspecting the Effect of Metapath in Heterogeneous Network Embedding via Visual Analytics." In *Computer Graphics Forum*, p. e15285. 2025.
11. *Zheng, Chengbo*, Tian Gao, Shunan Guo, Yang Shi, **Xiaojuan Ma**, and Nan Cao. "A design space of animating data-driven transitions in data videos." *Journal of Visualization* (2025): 1-18. https://doi.org/10.1007/s12650-025-01066-5
12. *Zhu, Qian*, Tao Lu, Shunan Guo, **Xiaojuan Ma**, and Yalong Yang. "CompositingVis: Exploring Interactions for Creating Composite Visualizations in Immersive Environments." *IEEE Transactions on Visualization and Computer Graphics (TVCG)* (2024). vol. 31, no. 1, pp. 591-601, Jan. 2025, doi: 10.1109/TVCG.2024.3456210.

13. Wang, Xiyuan, Laixin Xie, He Wang, Xingxing Xing, Wei Wan, Ziming Wu, **Xiaojuan Ma**, and Quan Li. “Deciphering Explicit and Implicit Features for Reliable, Interpretable, and Actionable User Churn Prediction in Online Video Games.” *IEEE Transactions on Visualization and Computer Graphics (TVCG)* (2024). doi: 10.1109/TVCG.2024.3487974
14. Sun, Yuling, Jiaju Chen, Bingsheng Yao, Jiali Liu, Dakuo Wang, **Xiaojuan Ma**, Yuxuan Lu, Ying Xu, and Liang He. “Exploring Parent's Needs for Children-Centered AI to Support Preschoolers' Interactive Storytelling and Reading Activities.” *Proceedings of the ACM on Human-Computer Interaction*. 8, CSCW2, Article 496 (November 2024), 25 pages. https://doi.org/10.1145/3687035
15. Hu, Jiaxiong, Jingya Guo, Ningjing Tang, **Xiaojuan Ma**, Yuan Yao, Changyuan Yang, and Yingqing Xu. “Designing the Conversational Agent: Asking Follow-up Questions for Information Elicitation.” *Proceedings of the ACM on Human-Computer Interaction*. 8, CSCW1, Article 43 (April 2024), 30 pages.
16. Peng, Zhenhui, Qiaoyi Chen, Zhiyu Shen, **Xiaojuan Ma**, and Antti Oulasvirta. “DesignQuizzer: A Community-Powered Conversational Agent for Learning Visual Design.” *Proceedings of the ACM on Human-Computer Interaction*. 8, CSCW1, Article 44 (April 2024), 40 pages.
17. *Shi, Chuhan*, Weiwei Cui, *Chengzhong Liu*, *Chengbo Zheng*, Haidong Zhang, Qiong Luo, and **Xiaojuan Ma**. "NL2Color: Refining Color Palettes for Charts with Natural Language." *IEEE Transactions on Visualization and Computer Graphics (TVCG)*. vol. 30, no. 1, pp. 814-824, Jan. 2024
18. Chen, Longfei, Qianyu Liu, Chenyang Zhang, Yangkun Huang, Zhenhui Peng, Haipeng Zeng, Zhida Sun, **Xiaojuan Ma**, and Quan Li. "Amplifying the music listening experience through song comments on music streaming platforms." *Journal of Visualization* 27, no. 3 (2024): 401-419.
19. *Ma, Shuai*, Mingfei Sun, and **Xiaojuan Ma**. “Modeling Adaptive Expression of Robot Learning Engagement and Exploring its Effects on Human Teachers.” *ACM Transactions on Computer-Human Interaction (TOCHI)* 30, no. 5 (2023): 1-48.
20. *Zhu, Qian*, Linping 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 Story for Promoting the Situation Awareness of Public Health Threats." *International Journal of Human-Computer Studies (IJHCS)*. (2023). 181, 103137.
21. *Shi, Chuhan*, Fei Nie, Yicheng Hu, Yige Xu, Lei Chen, **Xiaojuan Ma,** and Qiong Luo. “MedChemLens: An Interactive Visual Tool to Support Direction Selection in Interdisciplinary Experimental Research of Medicinal Chemistry.” *IEEE Transactions on Visualization and Computer Graphics (TVCG)*. 29(1): pp.63-73, Jan. 2023.
22. Liu, Qiangqiang, Yukun Ren, Zhihua Zhu, Dai Li, **Xiaojuan Ma**, and Quan Li. “RankAxis: Towards a Systematic Combination of Projection and Ranking in Multi-Attribute Data Exploration.” *IEEE Transactions on Visualization and Computer Graphics (TVCG)*. vol. 29, no. 1, pp. 701-711, Jan. 2023.
23. Zhang, Chenyang, Xiyuan Wang, Chuyi Zhao, Yijing Ren, Tianyu Zhang, Zhenhui Peng, Xiaomeng Fan, **Xiaojuan Ma**, and Quan Li. “PromotionLens: Inspecting Promotion Strategies of Online E-commerce via Visual Analytics.” *IEEE Transactions on Visualization and Computer Graphics (TVCG)*. vol. 29, no. 1, pp. 767-777, Jan. 2023.
24. *Guo, Qingyu*, *Chuhan Shi*, Zhuohao Yin, *Chengzhong Liu*, and **Xiaojuan Ma**. “Exploring the Effects of Event-induced Sudden Influx of Newcomers to Online Pop Music Fandom Communities: Content, Interaction, and Engagement”. *Proceedings of the ACM on Human-Computer Interaction*. 7, CSCW2, Article 272 (October 2023), 24 pages.
25. Sun, Yuling, **Xiaojuan Ma**, Silvia Lindtner, and Liang He. “Care Workers' Wellbeing in Data-Driven Healthcare Workplace: Identity, Agency, and Social Justice”. *Proceedings of the ACM on Human-Computer*

Interaction. 7, CSCW2, Article 329 (October 2023), 29 pages. (**Recognition for Contribution to Diversity and Inclusion at ACM CSCW 2023**)

26. Sun, Yuling, **Xiaojuan Ma**, Silvia Lindtner, and Liang He. "Data Work of Frontline Care Workers: Practices, Problems, and Opportunities in the Context of Data-Driven Long-Term Care." *Proceedings of the ACM on Human-Computer Interaction t*. 7, CSCW1, Article 42 (April 2023), 28 pages. (**Impact Recognition Award at ACM CSCW 2023**)
27. Tian, Yang, Yulin Zheng, Shengdong Zhao, **Xiaojuan Ma**, and Yunhai Wang. "Balancing Accuracy and Speed in Gaze-Touch Grid Menu Selection in AR via Mapping Sub-Menus to a Hand-Held Device." *Sensors* 23, no. 23 (2023): 9587.
28. *Sun, Zhida*, Sitong Wang, Chengzhong Liu, and **Xiaojuan Ma**. "Metaphoraction: Support Gesture-based Interaction Design with Metaphorical Meanings." *ACM Transactions on Computer-Human Interaction (TOCHI)* 29, no. 5 (2022): 1-33.
29. *Peng, Zhenhui,* Yuzhi Liu, Hanqi Zhou, Zuyu Xu, and **Xiaojuan Ma**. "CReBot: Exploring interactive question prompts for critical paper reading." *International Journal of Human - Computer Studies (IJHCS).* Vol. 167, Article 102898. November 2022.
30. *Zhu, Qian*, 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.
31. *Ko, Man Ching* and **Xiaojuan Ma**. "Mobilizing Instrumental Childcare Support for Postpartum Mothers: Needs for and Barriers to Infant-centric Family Informatics Practices in Hong Kong". *Proceedings of the ACM on Human-Computer Interaction.* 6, CSCW2, Article 359 (November 2022), 40 pages.
32. *Xia, Meng*, *Qian Zhu*, Xingbo Wang, Fei Nie, Huamin 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
33. *Liu, Chengzhong*, *Zeyu Huang*, Dingdong Liu, Shixu Zhou, Zhenhui Peng, and **Xiaojuan Ma**. "PlanHelper: Supporting Activity Plan Construction with Answer Posts in Community-based QA Platforms." *Proceedings of the ACM on Human-Computer Interaction.* 6, CSCW2, Article 454 (2022), 26 pages.
34. *Hadi Mogavi, Reza*, Yuanhao Zhang, Ehsan ul Haq, Yongjin Wu, Pan Hui, and **Xiaojuan Ma**. "What Do Users Think of Promotional Gamification Schemes? A Qualitative Case Study in a Question Answering Website." *Proceedings of the ACM on Human-Computer Interaction.* 6, CSCW2, Article 399 (November 2022), 34 pages. (**Method Recognition Award at ACM CSCW 2022**)
35. *Hadi Mogavi, Reza*, Ehsan ul Haq, Sujit Guja, Pan Hui, and **Xiaojuan Ma**. "More Gamification Is Not Always Better: A Case Study of Promotional Gamification in a Question Answering Website." *Proceedings of the ACM on Human-Computer Interaction.* 6, CSCW2, Article 452 (November 2022), 32 pages

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The above journal articles were published after promotion to Associate Professor

36. Li, Quan, Xiguang Wei, Huanbin Lin, Yang Liu, Tianjian Chen, and **Xiaojuan Ma**. "Inspecting the Running Process of Horizontal Federated Learning via Visual Analytics". *IEEE Transactions on Visualization and Computer Graphics (TVCG)*. 28, no. 12 (April 2021): 4085-4100.
37. *Zhao, Zhenjie* and **Xiaojuan Ma**. "Designing an Artificial Agent for Cognitive Apprenticeship Learning of Elevator Pitch in Virtual Reality". *IEEE Transactions on Cognitive and Developmental Systems (TCDS)*. 14, no. 3 (April 2021): 857-868.
38. *Mogavi, Reza Hadi*, **Xiaojuan Ma**, and Pan Hui. "Characterizing Student Engagement Moods for Dropout Prediction in Question Pool Websites". *Proceedings of the ACM on Human-Computer Interaction*. 5, CSCW1, Article 12 (April 2021), 22 pages.

39. Wang, Liuping, Dakuo Wang, Feng Tian, *Zhenhui Peng*, Xiangmin Fan, Zhan Zhang, *Shuai Ma*, Mo Yu, **Xiaojuan Ma**, and Hongan Wang. “CASS: Towards Building a Social-Support Chatbot for Online Health Community”. *Proceedings of the ACM on Human-Computer Interaction*. 5, CSCW1, Article 9 (2021), 31 pages.
40. *Mingfei Sun*, *Zhenhui Peng*, *Meng Xia*, and **Xiaojuan Ma**. “Investigating the Effects of Robot Engagement Communication on Learning from Demonstration”. *International Journal of Social Robotics*. 2021: 1-18.
41. Jiang, Zhihan, Hang Zhu, Binbin Zhou, Chenhui Lu, *Mingfei Sun*, **Xiaojuan Ma**, Xiaoliang Fan, Cheng Wang, and Longbiao Chen. "CrowdPatrol: A Mobile Crowdsensing Framework for Traffic Violation Hotspot Patrolling." *IEEE Transactions on Mobile Computing* vol. 22, no. 3, pp. 1401-1416. First accepted in 2021.
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143. Wei, Jun, **Xiaojuan Ma**, and Shengdong Zhao. "Food messaging: using edible medium for social messaging." In *Proc. the 32nd annual ACM CHI conference on Human factors in computing systems*, (2014). pp. 2873-2882.
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147. Chen, Yu, **Xiaojuan Ma**, Alfredo Cerezo, and Pearl Pu. "Empatheticons: Designing emotion awareness tools for group recommenders." In *Proc. the XV ACM International Conference on Human Computer Interaction (Interacción)*, (2014). pp. 1-8.
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149. **Ma, Xiaojuan**, and Christiane Fellbaum. "Rethinking WordNet's Domains." In *Proc. The 6th International Global Wordnet Conference (GWC)*, (2012), pp. 173-180.
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151. Jianqiang, Don Sim, **Xiaojuan Ma**, Shengdong Zhao, Jing Ting Khoo, Swee Ling Bay, and Zhenhui Jiang. "Farmer's tale: a facebook game to promote volunteerism." In *Proc. the ACM CHI Conference on Human Factors in Computing Systems*, (2011). pp. 581-584.
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153. **Ma, Xiaojuan**, Christiane Fellbaum, and Perry R. Cook. "SoundNet: investigating a language composed of environmental sounds." In *Proc. the ACM CHI Conference on Human Factors in Computing Systems*, (2010). pp. 1945-1954. (**Best Paper Honorable Mention Award at ACM CHI 2010**)
154. Nikolova, Sonya, **Xiaojuan Ma**, Marilyn Tremaine, and Perry Cook. "Vocabulary navigation made easier." In *Proc. the 15th ACM international conference on Intelligent user interfaces (IUI)*, (2010). pp. 361-364.
155. **Ma, Xiaojuan**, Jordan Boyd-Graber, Sonya Nikolova, and Perry R. Cook. "Speaking through pictures: images vs. icons." In *Proc. the 11th international ACM SIGACCESS conference on Computers and accessibility (ASSETS)*, (2009). pp. 163-170.
156. **Ma, Xiaojuan**, Sonya Nikolova, and Perry R. Cook. "W2ANE: when words are not enough: online multimedia language assistant for people with aphasia." In *Proc. the 17th ACM international conference on Multimedia (MM)*, (2009). pp. 749-752.
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Refereed Magazine Articles

1. Wong, Gary KW, **Xiaojuan Ma**, Pierre Dillenbourg, and John Huen. “Broadening artificial intelligence education in K-12: where to start?”. *ACM Inroads*, (2020). 11(1), pp.20-29.
2. Wong, Gary KW, **Xiaojuan Ma**, and John Huen. “When schools meet artificial intelligence in Hong Kong”. *ACM Inroads*, (2019). 10(4), pp.43-46.

Refereed Extended Abstracts (Posters) in Conference Proceedings and Workshop Papers

1. *Xu, Zuyu*, Jiaxiong Hu, *Shixu Zhou*, and **Xiaojuan Ma**. “What Makes a Meme Relieving?: Analyzing the Efficacy of Design Elements of Internet Memes on Exam Stress Relief for University Students.” In *Proceedings of the Extended Abstracts of the 2026 CHI Conference on Human Factors in Computing Systems (CHI EA '26)*. ACM, New York, NY, USA, Article 739, 1–5. https://doi.org/10.1145/3772363.3798612
2. *Yuan, Kangyu*, Tak Kwan Wang, Jiachen Du, *Yuanhao Zhang*, *Ziqi Pan*, and **Xiaojuan Ma**. “AI Clone Companions and "Dream Girl" Fans: How Idol-Based Agents Reshape Parasocial Relationships Across Real and Virtual Domains.” In *Proceedings of the Extended Abstracts of the 2026 CHI Conference on Human Factors in Computing Systems (CHI EA '26)*. Association for Computing Machinery, New York, NY, USA, Article 58, 1–8. https://doi.org/10.1145/3772363.3798482
3. *Zhang, Runhua*, *Ziqi Pan*, Huiran Yi, Huamin Qu, and **Xiaojuan Ma**. “"Without AI, I Would Never Share This Online": Unpacking How LLMs Catalyze Women's Sharing of Gendered Experiences on Social Media.” In *Proceedings of the Extended Abstracts of the 2026 CHI Conference on Human Factors in Computing Systems (CHI EA '26)*. ACM, New York, NY, USA, Article 36, 1–7. https://doi.org/10.1145/3772363.3798483
4. Fang, Xuanbin, Zhida Sun, Wenchao Li, Qing Chen, **Xiaojuan Ma**, and Hui Huang. “Bridging Analytical Rigor and Narrative Engagement through Interactive Story Structures.” In *Proceedings of the Extended Abstracts of the 2026 CHI Conference on Human Factors in Computing Systems (CHI EA '26)*. ACM, New York, NY, USA, Article 140, 1–6. https://doi.org/10.1145/3772363.3798493
5. Freeman, Guo, Cliff Lampe, Elizabeth D Mynatt, Heloisa Candello, Kori Inkpen, Nitesh Goyal, Karrie Karahalios, **Xiaojuan Ma**, and Paweł W. Woźniak. “The Global Impact of Generative AI on the HCI Landscape: International Perspectives on HCI Education, Industry Dynamics, and Funding Considerations.” In *Proceedings of the Extended Abstracts of the 2026 CHI Conference on Human Factors in Computing Systems (CHI EA '26)*. ACM, New York, NY, USA, Article 993, 1–5. https://doi.org/10.1145/3772363.3790107
6. *Zhang, Runhua,* Ruyuan Wan, Jiaqi Li, Daye Kang, Yigang Qin, Yijia Wang, *Ziqi Pan,* Tiffany Knearem, Huamin Qu, and **Xiaojuan Ma**. “Legitimizing, Developing, and Sustaining Feminist HCI in East Asia: Challenges and Opportunities.” In *Proceedings of the Extended Abstracts of the 2026 CHI Conference on Human Factors in Computing Systems (CHI EA '26)*. ACM New York, NY, USA, Article 805, 1–4. https://doi.org/10.1145/3772363.3778806
7. *Yuan, Kangyu*, Li Zhang, *Hanfang Lyu*, *Ziqi Pan*, *Yuanhao Zhang*, *Junze Li*, Bingcan Guo, Jiaxiong Hu, Qingyu Guo, and **Xiaojuan Ma**. “"I Love the Internet Again": Exploring the Interaction Inception of "TikTok Refugees" Flocking into RedNote.” In *Proceedings of the Extended Abstracts of the CHI Conference on Human Factors in Computing Systems (CHI EA '25)*. Association for Computing Machinery, New York, NY, USA, Article 12, 1–8. https://doi.org/10.1145/3706599.3719738
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9. *Guo, Qingyu*, Kangyu Yuan, Changyang He, Zhenhui Peng, and **Xiaojuan Ma**. “Exploring the Evolvement of Artwork Descriptions in Online Creative Community under the Surge of Generative AI: A Case Study of

DeviantArt." In *Extended Abstracts of the 2024 ACM CHI Conference on Human Factors in Computing Systems*. (2024).

10. *Zheng, Chengbo*, *Zeyu Huang*, *Shuai Ma*, and **Xiaojuan Ma**. "SelfGauge: An Intelligent Tool to Support Student Self-assessment in GenAI-enhanced Project-based Learning." In *Adjunct Proceedings of the 37th Annual ACM Symposium on User Interface Software and Technology (UIST)*. (2024). pp. 1-3.
11. *Liu, Dingdong*, Sensen Gao, Zixin Chen, Yifan Shen, Chuhan Shi, Bertram E. Shi, and **Xiaojuan Ma**. "Exploring Scaffolding Techniques for Agent-Administered Brief Cognitive Screening in Hospital Settings." In *Provocation and Works-in-Progress of the 2024 ACM Designing Interactive Systems (DIS)*. (2024).
12. *Huang, Zeyu*, *Zuyu Xu*, *Yuanhao Zhang*, *Chengzhong Liu*, Yanwei Zhao, Chuhan Shi, Jason Chen Zhao, and **Xiaojuan Ma**. "Be There, Be Together, Be Streamed! AR Scenic Live-Streaming for an Interactive and Collective Experience." In *2024 IEEE International Symposium on Mixed and Augmented Reality Adjunct (ISMAR-Adjunct)*. (2024). pp. 453-456.
13. *Kim, Taewook*, *Qingyu Guo*, Hyeonjae Kim, *Wenjie Yang*, Meiziniu Li and **Xiaojuan Ma**. "Facilitating Continuous Text Messaging in Romantic Encounters Online by Expanded Keywords Enumeration". In *Conference Companion Publication of the 2022 on Computer Supported Cooperative Work and Social Computing (CSCW)*. (2022).
14. *Kim, Taewook*, Hyunwoo Kim, Juho Kim, **Xiaojuan Ma**. "Improving Readers' Awareness of Divergent Viewpoints by Displaying Agendas of Comments in Online News Discussions". In *Conference Companion Publication of the 2021 on Computer Supported Cooperative Work and Social Computing*. (2021). pp. 99-103.
15. *Zhao, Zhenjie*, *Feng Han*, and **Xiaojuan Ma**. Quality of Experience (QoE) Evaluation of Locomotion Methods on Desktop Virtual Reality: Comfort, Effort and Enjoyment. In *2nd CHI Social VR workshop*. (2021).
16. Li, Quan, Huanbin Lin, Chunfeng Tang, Xiguang Wei, *Zhenhui Peng*, **Xiaojuan Ma,** and Tianjian Chen. "Exploring the "Double-Edged Sword" Effect of Auto-Insight Recommendation in Exploratory Data Analysis". In *4th Intelligent User Interfaces (IUI) Workshop on Exploratory Search and Interactive Data Analytics (ESIDA'2021)*. (2021).
17. *Peng, Zhenhui*, Kaixiang Mo, Xiaogang Zhu, Junlin Chen, Zhijun Chen, Qian Xu, and **Xiaojuan Ma**. "Understanding User Perceptions of Robot's Delay, Voice Quality-Speed Trade-off and GUI during Conversation". In *Extended Abstracts of ACM CHI2020 Conference on Human Factors in Computing Systems*. (2020). pp. 1-8.
18. *Zhao, Zhenjie*, and **Xiaojuan Ma**. "Situated Learning of Soft Skills with an Interactive Agent in Virtual Reality via Multimodal Feedback." In *Extended Abstract of the 2020 ACM Symposium on User Interface Software and Technology (UIST)*, (2020). pp. 25-27.
19. *Peng, Zhenhui*, *Taewook Kim*, and **Xiaojuan Ma**. "GremoBot: Exploring Emotion Regulation in Group Chat". In *Conference Companion Publication of the 2019 on Computer Supported Cooperative Work and Social Computing*. (2019). pp. 335-340.
20. *Sun, Zhida*, *Feng Han*, and **Xiaojuan Ma**. "Exploring the Effects of Scale in Augmented Reality-Empowered Visual Analytics." In *Extended Abstracts of the 2018 ACM CHI Conference on Human Factors in Computing Systems*, p. LBW012. (2018). pp. 1-6.
21. Shi, Yang, Xin Yan, **Xiaojuan Ma**, Yongqi Lou, and Nan Cao. "Designing emotional expressions of conversational states for voice assistants: Modality and engagement." In *Extended Abstracts of the ACM 2018 CHI Conference on Human Factors in Computing Systems*, p. LBW557. (2018). pp. 1-6.
22. *Sun, Zhida*, Nan Cao, and **Xiaojuan Ma**. "Attention, Comprehension, Execution: Effects of Different Designs of Biofeedback Display." In *Extended Abstracts of the 2017 ACM CHI Conference on Human Factors in Computing Systems*, (2017). pp. 2132-2139.

23. *Wu, Ziming* and **Xiaojuan Ma**. "Money as a Social Currency to Manage Group Dynamics: Red Packet Gifting in Chinese Online Communities." In *Extended Abstracts of the 2017 ACM CHI Conference on Human Factors in Computing Systems*, (2017). pp. 2240-2247.
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25. Zhu, Fengyuan, Ke Fang, and **Xiaojuan Ma**. "Exploring the Effects of Strategy and Arousal of Cueing in Computer-Human Persuasion." In *Extended Abstracts of the 2017 ACM CHI Conference on Human Factors in Computing Systems*, (2017). pp. 2276-2283.
26. Wang, Yun, **Xiaojuan Ma**, Qiong Luo, and Huamin Qu. "Data Edibilization: Representing Data with Food." In *Proc. the 2016 ACM CHI Conference Extended Abstracts on Human Factors in Computing Systems*, (2016). pp. 409-422.
27. *Cattle, Andrew* and **Xiaojuan Ma**. "Effects of Semantic Relatedness between Setups and Punchlines in Twitter Hashtag Games." In *Proc. the Workshop on Computational Modeling of People's Opinions, Personality, and Emotions in Social Media (PEOPLES)*, (2016). pp. 70-79.
28. Wong, Gary KW, Kening Zhu, **Xiaojuan Ma**, and John Huen. "The Development of Internationalized Computational Thinking Curriculum in Hong Kong Primary Education." In *Proc. the 47th ACM Technical Symposium on Computing Science Education*, (2016). pp. 685-685.
29. Huang, Meiyu, Yiqiang Chen, Wen Ji, Xiaojuan Ma, Jing Zhang, Yuguang Fan, and Lianjun Dai. "CaneFitter: investigation on appropriate cane selection and proper cane use for the elderly." In *Proc. the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing (Ubicomp): Adjunct Publication*, (2015). pp. 217-220.
30. Chen, Zhenyu, Yiqiang Chen, Lisha Hu, Shuangquan Wang, Xinlong Jiang, **Xiaojuan Ma**, Nicholas D. Lane, and Andrew T. Campbell. "ContextSense: unobtrusive discovery of incremental social context using dynamic bluetooth data." In *Proc. the 2014 ACM International Joint Conference on Pervasive and Ubiquitous Computing (Ubicomp): Adjunct Publication*, (2014). pp. 23-26.
31. **Ma, Xiaojuan**, Christiane Fellbaum, and Perry R. Cook. "A multimodal vocabulary for augmentative and alternative communication from sound/image label datasets." In *Proc. the NAACL HLT 2010 Workshop on Speech and Language Processing for Assistive Technologies (SLPAT)*, (2010). pp. 62-70
32. **Ma, Xiaojuan**. "An online multimedia language assistant for people with aphasia and other language barriers." *ACM SIGACCESS Accessibility and Computing* 96 (2010): 46-49.
33. **Ma, Xiaojuan** and Perry R. Cook. "Creating and evaluating a video vocabulary for communicating verbs for different age groups." In *Proc. the 10th international ACM SIGACCESS conference on Computers and accessibility (ASSETS)*, (2018). pp. 253-254.
34. Nikolova, Sonya and **Xiaojuan Ma**. "Mobile Communication Support for People with Speech and Language Disabilities." In *Proc. ACL2008 Mobile Language Processing Workshop*, (2008).

Patents

1. *Hanfang Lyu*, **Xiaojuan MA**, Hong Qu, Ka Ho Leung, and Hei Shun Tam. (2026, granted)
   A Human Perference Labeling Method for Robot Operation Trajectories and a Corresponding Robot Learning System. HK Patent 32025102001.4 (IP.PA.12619.HK)
2. *Xia, Meng*, Reshika Palaniyappan Velumani, Yong Wang, Huamin Qu, and **Xiaojuan MA**. (2024, granted). Problem-solving Analysis Test System, Test Method and Test Software. ZL202110676638.7.
3. Wang, Jianmin, Fang You, Chingman Au Yeung, **Xiaojuan Ma**, and Xiuqiang He. (2019, granted). Navigation methods and navigation equipment. CN104807470B.

4. **Ma, Xiaojuan** and Wenyuan Dai. (2016, 2018, granted). Touch-control method, related apparatus, and terminal device. US9519424B2, CN104750401B.
5. Au Yeung, Ching Man, **Xiaojuan Ma**, and Wing Ki Leung. (2018, granted). Mobile Terminal Alarm Method and Apparatus. US10043375B2, CN104933825B.
6. **Ma, Xiaojuan**, Yuan Fang, and Wenyuan Dai. (2017, granted). The optimization operation method and device of terminal interface. CN104750400B
7. **MA, Xiaojuan**, Wing Ki Leung, Ching Man Au Yeung. (2017, granted). A kind of eye-tracking method and device. CN104750232B

Graduated PhD and MPhil Students

Zisu Li, PhD (HKUST GZ) *Spring 2023 – Spring 2026*
Prof. Mingming Fan as primary supervisor

Zeyu Huang, PhD *Fall 2021 – Fall 2025*
HKUST RedBird Academic Excellence Award recipient in 2024. Model Engineer at Huawei Hong Kong

Qian Zhu, PhD *Fall 2020 – Summer 2024*
Currently Assistant Professor at the Renmin University

Shuai Ma, PhD *Fall 2020 – Summer 2024*
Redbird scholarship recipient, currently Associate Professor at Institute of Software, Chinese Academy of Sciences

Qingyu Guo, PhD *Fall 2020 – Summer 2024*
RedBird Academic Excellence Award recipient in 2024, currently Software Engineer at Tencent Inc.

Chengbo Zheng, PhD *Fall 2020 – Summer 2024*
Currently Postdoc at Queensland University

Chengzhong Liu, PhD *Fall 2020 – Summer 2024*
HKPFS recipient, previously postdoc at Hong Kong Generative AI Research and Development Center (HKGAI)

Jiehui Luo, MPhil *Fall 2019 – Fall 2020*
Asian Future Leaders Scholarship (AFLSP) recipient, currently PhD student at University of Notre Dame

Zeyu Xiong, MPhil (HKUST GZ Redbird) *Fall 2019 – Fall 2020*
Prof. Mingming Fan as primary supervisor, currently PhD student at ETH

Shixu Zhou, MPhil (HKUST GZ Redbird) *Fall 2019 – Fall 2020*
Prof. Mingming Fan as primary supervisor, currently PhD student at HKUST

Chuhan Shi, PhD Winter *2018 – Spring 2023*
Prof. Qiong Luo as primary supervisor, currently Associate Professor at Southeastern University

Reza Hadi Mogavi, PhD Winter *2018 – Spring 2023*
Prof. Pan Hui as primary supervisor, currently postdoc at University of Toronto

Wenjie (Chris) Yang, MPhil *Fall 2020 – Summer 2022*
Natural Language Processing researcher at Tencent. Previously visiting researcher at CMU

Feng Han, PhD *Fall 2018 – Spring 2022*
Prof. Jiheng Zhang as primary supervisor, currently Finance Analyst

Zhenhui Peng, PhD *Fall 2017 – Spring 2021*
SENG Top RPg award recipient, currently Associate Professor at Sun Yat-sen University

Man Ching Ko, MPhil (TLE) *Spring 2020 – Spring 2021*
Entrepreneur

Zhenjie Zhao, PhD *Fall 2016 – Summer 2020*
Currently Associate Professor at Nankai University

Ziming Wu, PhD *Fall 2016 – Summer 2020*

Currently researcher at Tencent

Zhida Sun, PhD *Fall 2016 – Summer 2020*

Currently Assistant Professor at Shenzhen University

Meng Xia, PhD *Fall 2017 – Summer 2020*

SENG Top RPg award recipient, Prof. Huamin Qu as primary supervisor, Assistant Professor at Texas A&M

Taewook Kim, MPhil *Fall 2018 – Summer 2020*

Currently research intern at KAIST, PhD student at Northwestern University

Mingfei Sun, PhD *Spring 2016 - Spring 2020*

SENG Top RPg award recipient, currently Assistant Professor at Manchester University

Quan Li, PhD *Fall 2015 - Fall 2018*

SENG Top RPg award recipient with Prof. Huamin Qu, Associate Professor at ShanghaiTech University

Andrew Cattle, PhD *Fall 2015 - Fall 2018*

HKPFS award recipient, currently lecture in Canada

Emily Yang Yang, MPhil (TLE) *Fall 2015 - Summer 2017*

TLE MPhil student, Prof. Pascale Fung as secondary supervisor, senior UX researcher at Mach49

Wenyuan Dai, PhD *2019*

Prof. Qiang Yang as primary advisor, currently general manager of 4Paradigm Corp.

Jinliang Deng, MPhil *2019*

Prof. Qiang Yang as primary advisor, currently PhD student at University of Technology, Sydney

Xiang Zhang, MPhil *2019*

Prof. Qiang Yang as primary advisor, currently Machine Learning Engineer at Tencent

Graduate Advisees

Xuning Hu, PhD program *Incoming Fall 2026*

Xiaoou Tang Scholarship recipient

Yue Zhang, PhD program *Incoming Fall 2026*

Prof. Janet Hsiao as primary supervisor

Tilmann Bruns, PhD program *Since Spring 2025*

HKPFS recipient

Weiying Liu, PhD program *Since Fall 2025*

Baiqiao Zhang, PhD program *Since Fall 2025*

Bolin Zhao, PhD program *Since Fall 2025*

Prof. Jun Han as primary supervisor

Yiyao Peng, MPhil program *Since Fall 2025*

Assem Zhunis, PhD program *Since Fall 2024*

HKPFS recipient

Qiaoyi Chen, PhD program *Since Fall 2024*

HKPFS recipient, HKUST RedBird Academic Excellence Award recipient in 2025

Kangyu Yuan, PhD program *Since Fall 2024*

Redbird New Student Scholarship recipient

Xuanhui Yang, PhD program *Since Fall 2024*

Redbird New Student Scholarship recipient

Shixu Zhou, PhD program *Since Fall 2024*

Yuying Tang, PhD program (IIP) *Since Fall 2024*

HKPFS recipient, Prof. Huamin Qu as co-supervisor

Runhua Zhang, PhD program (IIP) *Since Fall 2024*
Prof. Huamin Qu as co-supervisor
Ziqi Pan, PhD program *Since Fall 2023*
HKPFS recipient, HKUST RedBird Academic Excellence Award recipient in 2025
Zuyu Xu, PhD program *Since Fall 2023*
HKPFS recipient, HKUST RedBird Academic Excellence Award recipient in 2025
Yuanhao Zhang, PhD program *Since Fall 2023*
HKPFS recipient, HKUST RedBird Academic Excellence Award recipient in 2025
Junze Li, PhD program *Since Fall 2022*
Redbird Scholarship recipient, HKUST RedBird Academic Excellence Award recipient 2025, passed PhD defense
Dingdong Liu, PhD program *Since Fall 2022*
Redbird Scholarship & RedBird Academic Excellence Award recipient 2024-25, Prof. Fugee Tsung as co-supervisor
Hanfang Lyu, PhD program *Since Fall 2022*
Prof. Fugee Tsung as co-supervisor, passed PhD defense

Postdoctoral Mentees

Yang Ouyang, Post-doctoral Scholar *Since Fall 2026*
Heng Zhang, Post-doctoral Scholar *Since Spring 2025*
Jiaxiong Hu, Post-doctoral Scholar *Since Fall 2022*
Yanjun Lyu, Post-doctoral Scholar *Summer 2025 – Spring 2026*
Currently Associate Professor at the Central Academy of Fine Arts
Leye Wang, Post-doctoral Scholar *Fall 2016 - Fall 2018*
Currently Associate Professor at Peking University

Undergraduate Advisees

FYT-MXJ1: TIAN Haozhi (1 student) *2026-2027*
FYT-MXJ2: LAI Cheuk Ying (1 student) *2026-2027*
FYT-MXJ3: ZHAO Yuhua (1 student) *2026-2027*
FYP-MXJ1: CHAN Ka Man, CHEUNG Man Ching (2 student) *2025-2026*
FYP-SZU: Desheng Zhang (1 student) *2025-2026*
FYP-MXJ1: SHI Bingyi, LAM Yeung Kong Sunny, YUE Ho Tin, LO Wang Ip (4 student) *2024-2025*
FYP-MXJ2: ZHAO Bolin, ZHANG Lveyang (2 student) *2024-2025*
FYT-MXJ3: YANG Dongjie (1 student) *2024-2025*
FYT-MXJ1: GUO Bincan (1 student) *2023-2024*
FYP-MXJ2: CHEN Shihao, TAN Weile, ZHAO Puxuan (3 students) *2023-2024*
FYP-MXJ3: TSE Hoi Chun, WONG Hei Tung, TANG Tsz Ying (3 students) *2023-2024*
FYP-MXJ1: ZHANG Yuanhao, LI Wenbo (2 students) *2022-2023*
FYT-MXJ2: WU Zhiyang (1 student) *2022-2023*
FYP-MXJ3: WU Tai Ling, LEE Hao-yu (2 students) *2022-2023*
FYP-MXJ4: LAU Tsz Ping, WONG Yuk Kit, CHOI Man Lik, TSANG Sze Lim (4 students) *2022-2023*
The group received **CPEG FYP Award 2nd Runner-Up**
FYP-MXJ1: ZHANG Nandi, ZHONG Dingyan (2 students) *2021-2022*
FYP-MXJ2: LIU Dingdong, ZHOU Shixu, LYU Hanfang (3 students) *2021-2022*
FYP-MXJ3: CHAN Ching Yiu, HO Chi Hong, LOK Tsun Man (3 students) *2021-2022*
FYP-MXJ1: SONG Renhe, ZHUANG Xiang, ZHOU Zhuorui, HUANG Zeyu (4 students) *2020-2021*

FYP-MXJ2: TSE Ming Kei, HO Chun To, WONG Yik Cheung, LI Wang Hon (4 students) *2020-2021*
FYT-MXJ3: LEE Ting Ting (1 students) *2020-2021*
FYP-MXJ4 (Co-Op): HUANG Yi-feng (1 students) *2020-2021*
FYT-MXJ5: Amanda Alodia GUITO (1 students) *2020-2021*
FYP-MXJ1: KANG Youwen, LIU Chengzhong (2 students) *2019-2020*
FYT-MXJ2: LIN Shuya (1 students) *2019-2020*
FYT-MXJ3: LIN Chuan-en (1 students) *2019-2020*
FYP-MXJ1: CHANG Hiu Tung, HUANG Zhengyuan, LIU Yan Ho, NG Mai Nguyen Thao (4) *2018-2019*
FYP-MXJ2: CHONG Wai Yeung, FONG Yik Yeung, HO Wing Chun, LO Ki Lok (4 students) *2018-2019*
FYP-MXJ3: KOO Tin Lok, OR Ka Po (2 students) *2018-2019*
FYP-MXJ1: FUNG Yuk Cheung, TAM Chak Kuen (2 students) *2017-2018*
FYP-MXJ2: CHIU Ho Yeung, WONG Man Nok, WONG Tsz Ching, WU Wang Hin (4 students) *2017-2018*
FYP-MXJ3: CHEN Yuan, HU Zeou, LIANG Zhibo, ZHANG Ziyao (4 students) *2017-2018*
FYP-MXJ5: WONG Chak Ho (1 students) *2017-2018*
FYP-MXJ1: AHMAD Suhaib, BHATTI Hamza Irfan (2 students) *2016-2017*
FYP-MXJ2: LO Ho Kai (1 students) *2016-2017*
UROP: SUN Mengxi, PARK Younseo, LI Hung Cham, ZHAO Yuhua (2 project, 4 student) *Summer 2025-2026*
UROP: KUANG Da, LI Hung Cham (2 project, 2 student) *Spring 2025-2026*
UROP: ZHAO Yuhua, WANG Tak Kwan (2 project, 2 student) *Fall 2025-2026*
UROP: ZHAO Yuhua, IU Hei Ching (2 project, 2 student) *Summer 2024-2025*
UROP: ZHANG Zongmin, ZHANG Li, IU Hei Ching (3 project, 3 student) *Spring 2024-2025*
UROP: LO Wang Ip, LAM Yeung Kong Sunny (1 project, 2 student) *Summer 2023-2024*
UROP: LIANG Danxuan, ZENG Yuhang, HE Jinwen, ZHENG Fanshi, CHEN Yi-long (3 project, 5 student)
Danxuan and Yuhang were **Finalist(s) of the Best UROP Mini-conference Paper Award** *Spring 2023-2024*
UROP: ZHAO Bolin (1 project, 1 student) *Fall 2023-2024*
UROP: GUO Meichen, LIANG Danxuan, ZENG Yuhang, YANG Dongjie (4 students) *Summer 2022-2023*
UROP: ZHAO Yubo, ZHANG Lveyang, YUNG Ka Shing, LIANG Danxuan, ZENG Yuhang, YANG Dongjie (6 students) *Spring 2022-2023*
UROP: DOU Peihao, YAO Chongchong, BAI Yihan, XU Minrui, KIM Justin Juho, JIA Feiyue, XU Zian, YAO Chongchong, DOU Peihao, JIA Feiyu, KIM Justin Juho (11 students) *Fall and Summer 2021-2022*
UROP: MOK Nga Yiu, WU Zhiyang, CHEN Zixin, ZHOU Siyuan, WU Yifeng, XU Boran, LIU Yuzhi, ZHOU Taichang, ZHANG Yuanhao (9 students) *Summer 2020-2021*
UROP: CHEN Zixin, GUO Bingcan, LIU Dingdong, LIU Yuzhi, NAN Xi, XU Mingshi, YIN Zhuohao, YU Yiduo, ZHANG Yuanhao, ZHOU Taichang (10 students) *Spring 2020-2021*
UROP: GUO Bingcan, ZHOU Yuran, CHAO Chung-chi, TSANG Cheuk Nam, ZHANG Yuanhao (5 students) *Fall 2020-2021*
UROP: NIE Fei, ZHAO Yankun, ZHOU Yuran (3 students) *Summer 2019-2020*
UROP: ZHAO Yankun, WU Yongjin, XU Muyu, JIANG Taoxi (4 students) *Spring 2019-2020*
UROP: PUYANG Huancheng, WU Bohuai, XIA Zihan, DING Shanhe (4 students) *Fall 2019-2020*
UROP: SEKHON Sanbir Singh, WU Bohuai (2 students) *Summer 2018-2019*
UROP: YU Yuelin, ZHA Dongkai, LIANG Yuyi, GOEL Tanmay (4 students) *Spring 2018-2019*
UROP: RASTOGI Tanya (1 students) *Fall 2018-2019*
UROP: CHEN Yuan, LIANG Zhibo (2 students) *Fall 2017-2018*
UROP: WU Tan Tania, CHANG Yingshan, PRATAMA Kevin, FENG Zihan, LI Xiang, XU Muyu, FAN Ziqian,

DAS Prasenjit, CHEN Yuan, LIANG Zhibo (10 students) *Summer 2016-2017*

IIM: Ngai Yan CHEUNG (1 students) *Since 2020*

IIM: Wai Lun WONG (1 students) *Since 2019*

IIM: Ming Yin CHAN (1 students) *2015-2019*

Independent Project: WANG Xiaoyu (MSc BDT) *2024-2025*

Independent Work: a total of 41 UG students and 23 PG students *Spring 2016-Srping 2026*

Courses

COMP3711 (UG) Design and Analysis of Algorithms *Fall 2026, Spring 2018-20*

COMP4461 (UG) Human-Computer Interaction (HCI) *Fall 2025, Spring 2022-25, Fall 2017-20*

COMP4462 (UG) Data Visualization *Fall 2021-24*

COMP4901G (UG) Hot Topics in HCI *Spring 2016, Fall 2016*

COMP6613A (PG) Hot Topics in HCI *Fall 2015, Spring 2017*

ARIN5301 MSc(AI) Human-Computer Interaction *Spring 2026*

CSIT6000N MSc(IT) Advanced Topics in Human-Computer Interaction *Spring 2022-23*

IELM4320 (UG) Design Thinking *Summer 2016, Summer 2017*

Semester	Course	Course Name	Size	Instructor Score *
Fall 2015	COMP6613A	Hot Topics in Human-Computer Interaction	26	93.42 (89.50)
Spring 2016	COMP4901G	Human-Computer Interaction	20	89.29 (76.74)
Summer 2016	IELM4320	Design Thinking	20	80.36 (-)
Fall 2016	COMP4901G	Human-Computer Interaction	21	71.43 (77.48)
Spring 2017	COMP6613A	Hot Topics in Human-Computer Interaction	28	90.00 (90.45)
Fall 2017	COMP4461	Human-Computer Interaction	17	88.89 (77.68)
Spring 2018	COMP3711	Design and Analysis of Algorithms	82	64.29 (79.09)
Fall 2018	COMP4461	Human-Computer Interaction	33	82.50 (79.09)
Spring 2019	COMP3711	Design and Analysis of Algorithms	83	79.17 (78.91)
Fall 2019	COMP4461	Human-Computer Interaction	45	91.67 (80.04)
Spring 2020	COMP3711	Design and Analysis of Algorithms	79	72.58 (77.48)
Fall 2020	COMP4461	Human-Computer Interaction	41	4.74 (4.15)
Spring 2021	COMP3711	Design and Analysis of Algorithms	75	4.00 (4.14)
Fall 2021	COMP4462	Data Visualization	64	3.55 (4.15)
Spring 2022	COMP4461	Human-Computer Interaction	37	4.46 (4.13)
	CSIT6000N †	Advanced Topics in HCI	47	4.67 (-)
Fall 2022	COMP4462	Data Visualization	69	4.21 (4.12)
Spring 2023	COMP4461	Human-Computer Interaction	52	4.43 (4.14)
	CSIT6000N †	Advanced Topics in HCI	51	4.62 (-)
Fall 2023	COMP4462	Data Visualization	40	3.56 (4.19)
Spring 2024	COMP4461	Human-Computer Interaction	16	4.88 (4.21)
Fall 2024	COMP4462	Data Visualization	40	4.11 (4.22)
Spring 2025	COMP4461	Human-Computer Interaction	17	5.00 (4.12)
Fall 2025	COMP4461	Human-Computer Interaction	40	4.20 (4.18)
Spring 2026	ARIN5301	Human-Computer Interaction	24	4.36 (4.74)

* The first score is the instructor overall, and the score in parentheses is school average.

† Voluntary teaching outside normal teaching load.

Other Teaching and Advising Experience

Guest Lecturer, Chinese University of Hong Kong, Hong Kong *Spring 2015~2021, 2025-2026*
Data Visualization and Sonification in Data Science

Guest Lecturer, HKUST(GZ) Computational Media and Arts (CMA) thrust area *Spring 2026*
Social Robots

Lecturer, Hangzhou, Zhejiang, China *Summer 2025*
CCF CSCW Summer Camp

Instructor, ACM Europe School, University of Luxembourg, Luxembourg *Summer 2024*
The 8th Summer School on Computational Interaction

Guest Lecturer, School of Information, University of California, Berkeley *Spring 2024*
Human-Centered AI

Guest Lecturer, HKUST(GZ) Computational Media and Arts (CMA) thrust area *Spring 2021*
Foundations of Computational Media and Arts

Guest Lecturer, The Central Academy of Fine Arts *Spring 2021*
AI for Arts Series

Lecturer, Peking University, China *Summer 2018, 2019*
Visualization Summer Camp

Lecturer, Nanjing University, China *Summer 2016*
Human-Computer Interaction Summer Camp

External supervisor, Chinese University of Hong Kong, Hong Kong *09/2014 ~ 07/2015*
Undergraduate Final Year Project

Guest Lecturer, Hong Kong Polytechnic University, Hong Kong *Spring 2013*
Persuasive Technology in Intelligent Information Systems

Lecturer, China Computer Federation, Beijing, China *Spring 2013*
Advanced Disciplines Lectures on Visual and Auditory Communication

Instructor, Carnegie Mellon University, Pittsburgh, PA *Spring 2012*
Independent Study (A3 Mini) on Designing and Executing a Research Study

Assistant supervisor, Graduate Studies, National University of Singapore *08/2010 ~ 02/2011*

Student supervisor, Princeton University, Princeton, NJ *09/2009 ~ 01/2010*
Undergraduate Senior Independent Work

Teaching Assistant, Princeton University, Princeton, NJ *Spring 2010*
Information Retrieval, Discovery, and Delivery (with Andrea LaPaugh)

Student supervisor, Princeton University, Princeton, NJ *06/2008 ~ 09/2008*
Advised freshmen Summer Programming Experience Program

Teaching Assistant, Princeton University, Princeton, NJ *Spring 2008*
Advanced Programming Techniques (with Brian Kernighan)

Student supervisor, Princeton University, Princeton, NJ *01/2008 ~ 05/2008*
Advised Undergraduate Senior Independent Work

Guest Lecturer and Teaching Assistant, Princeton University, Princeton, NJ *Fall 2007*
Human-Computer Interface Technology (with Perry Cook)

Professional Service (Editorship, Organizing & Programming Committee)

Journal Editorship

Associate Editor (and back-up EiC), ACM Transactions on Computer-Human Interaction (TOCHI) *Since 2025*

Co-Editor, PACM for Conference on Computer Supported Cooperative Work (CSCW) *2024*
Co-Editor, PACM for Conference on Computer Supported Cooperative Work (CSCW) *2023*
Special Issue Co-Editor, ACM Transactions on Human-Computer Interaction (TOCHI) *2021*
Special Issue Co-Editor, CCF Transactions on Pervasive Computing and Interaction *2019*

Organizing Committee

Program Co-Chair, ACM Conference on Intelligent User Interfaces (IUI) *2027*
Paper Co-Chair, ACM Conference on Human Factors in Computing Systems (CHI) *2026*
Paper Co-Chair, ACM Conference on Computer Supported Cooperative Work (CSCW) *2026*
Paper Co-Chair, ACM Conference on Computer Supported Cooperative Work (CSCW) *2025*
Steering Committee, ACM Conference on Mobile Human-Computer Interaction (MobileHCI) *Since 2023*
Award Committee, ACM Conference on Computer Supported Cooperative Work (CSCW) *2023*
General Co-Chair, ACM Conference on Mobile Human-Computer Interaction (MobileHCI) *2022*
Virtual Conference Co-Chair, AAAI Conference on Web and Social Media (ICWSM) *2022*
SIGs Co-Chair, ACM Conference on Human Factors in Computing Systems (CHI) *2021*
Workshop Co-Organizer, AI for Adaptive User Interface (AI4AUI) workshop in ACM IUI *2019*
Tutorial Co-Chair, International Conference on Affective Computing & Intelligent Interaction *2019*
Workshop Co-Organizer, Healthcare workshop in ACM CHI *2019*
Demo Co-Chair, IEEE International Conference on Artificial Intelligence and Virtual Reality *2018*
Technical Co-Chair, Chinese CHI2017 *2017*
Workshop Co-Organizer, AIVR workshop in SIGGRAPH Asia *2017*
Publicity Chairs, International Symposium on Interactive Technology and Ageing Populations *2016*
Demo/Poster Co-Chair, IEEE CPSCOM2016 *2016*
Panel & Tutorial Chair, IEEE Int. Conf. on Ubiquitous Intelligence & Computing (UIC 2015) *2015*
Co-Organizer, Designing Tools for Crafting Interactive Artifacts Workshop, SIGGRAPH Asia *2014*
Industrial Panel Chair, Chinese CHI2014 *2014*
Planning Committee, New Jersey World Usability Day 2008, NJ *2008*

Program Committee

Subcommittee Co-Chair, ACM Conference on Human Factors in Computing Systems (CHI) *2025*
Area Chair / Action Editor: Association for Computational Linguistics (ACL) Rolling Review (ARR) for Empirical Methods in Natural Language Processing Conference (EMNLP) *2025*
Associate Chair, ACM Conference on Human Factors in Computing Systems (CHI) *2024*
Courses Committee, SIGGRAPH Asia *2024*
Subcommittee Co-Chair, ACM Conference on Human Factors in Computing Systems (CHI) *2023*
Subcommittee Co-Chair, ACM Conference on Human Factors in Computing Systems (CHI) *2022*
Senior Program Committee, AAAI Conference on Artificial Intelligence *2022*
Program Co-Chair, International Workshop on Human-Engaged Computing (IWHEC) *2021*
Program Committee, The Web Conference (WWW) *2021*
Associate Chair, ACM Conference on Human Factors in Computing Systems (CHI) *2020*
Program Committee, The Web Conference (WWW) *2020*
Associate Chair, ACM Conference on Human Factors in Computing Systems (CHI) *2019*
Program Committee, IEEE International Conference on Healthcare Informatics (ICHI) *2019*
Associate Chair, ACM Conference on Human Factors in Computing Systems (CHI) *2018*
Program Committee, Association for the Advancement of Artificial Intelligence (AAAI) *2018*

Program Committee, International Joint Conference on Artificial Intelligence (IJCAI) *2017*
Associate Chair, ACM Conference on Human Factors in Computing Systems (CHI) *2017*
Associate Chair, ACM Designing Interactive Systems (DIS) *2016 - 2017*
Program Committee, IEEE CBDCom 2016 Big Data Visualization Track *2016*
Associate Chair, Work-in-Progress Track, ACM CHI (2012~ 2015) *2012 - 2015*
Program Committee, Chinese CHI2015 *2015*
Program Committee, Asia Pacific Conference on Computer Human Interaction (APCHI 2013) *2013*
Program Committee, CTS (Collaboration Technologies and Systems) CR-HRI *2012 - 2013*
International Workshop on Collaborative Robots and Human Robot Interaction

Departmental Services

MSc(AIE) Coordinator *Since 2025*
MSc(AI) Committee Member *Since 2025*
Mentor for Junior Faculty x 2 *Since 2025*
Final Year Project / Final Year Thesis Committee Chair *Since 2024*
UG Committee Member *Since 2024*
Research Committee Chair *2024 - 2025*
Search and Appointments Committee *2023 - 2024*
Research Lab Space Committee Member *2023 - 2024*
Associate Head for Research and Knowledge Transfer (& Executive Committee) *2022 - 2024*
Research Committee Member *2022 - 2024*
MSc(IT) Committee Member *2022 - 2025*
PG Committee Coordinator (and member of Executive Committee) *2021 - 2023*
Merit Review Committee Member *2021 - 2022*
Facility Committee Member *2019 - 2021*
CPEG Committee Member *2018 - 2021*
Curriculum and Teaching Innovation Committee (CaTIC) member *2018 - 2019*

University and School Services

JEE Recruitment Interview *2025*
HKUST-JD.com Joint Lab Committee *Since 2025*
Center for Ocean Research in Hong Kong and Macau Research Leadership Committee *Since 2024*
JUPAS Interview *2018, 2020, 2023*
Selection Panel for the HKUST Sports Science and Technology Research Grant *2023*
Human and Artefacts Research Ethics Committee *2021 - 2023*
Search Committee, for the Director of the Big Data Institute *2023*
Search Committee, for the Head of the Dept. Computer Science and Engineering *2021 - 2022*
Search Committee, for the Director of the Cheng Kar-Shun Robotics Institute (RI) *2021 - 2022*
EMIA Ad Hoc Search and Appointments Committee *2022 - 2023*
SENG First Year Faculty Advisor *2018 - 2020*
IPO Faculty Advisor *Since 2020*
SENG Information Day *2017 - 2018*
University WISE Camp, co-organizer *2016*

Selected Outreach and Membership

Senior Member, The Association for Computing Machinery (ACM) *Since 2022*

Senior Member, The Institute of Electrical and Electronics Engineers (IEEE) *Since 2022*

Executive Vice President (previously Secretary General), Interactional Chinese Association of Computer-Human Interaction (ICACHI) *2016 - 2026*

Board Member: Interactional Chinese Association of Computer-Human Interaction (ICACHI) *2012 - 2026*

Academic Judging Committee Member, HKUST One-Million Competition *2019 - 2020*

Think Tank and Judge, HKUST D4E 2016 Spring University Talent Incubation Program *2016*

Member of WFA (Women Faculty Association), HKUST *Since 2015*

Member of GEA (Princeton Graduate Engineering Ambassadors) *2006 - 2010*

Member of CSGC (Computer Science Graduate College) in Princeton University *2005 - 2010*

Invited Talks

Keynote Speaker, ACM SIGCHI Greater Bay Area of China Chapter, Pre-CHI 2026 Symposium *04/2026*
"Empowering Engagement in Human-AI Decision-Making"

Panelist, ACM CHI 2026 Panel *04/2026*
"The Global Impact of Generative AI on the HCI Landscape: International Perspectives on HCI Education, Industry Dynamics, and Funding Considerations"

Invited Speaker, ByteDance *01/2026*
"Empowering Human Decision-Making through Engaging AI – Bridging the Gulf of Envisioning"

Invited Participant, NUS-Google *11/2025 & 04/2026*
Exclusive Workshop + Roundtable Discussion (CHI 2026) "Future of CS Education and Curriculum in the AI Era"

Keynote Speaker, IEEE/RSJ IROS 2025 Workshop *10/2025*
"Designing Humanized, Engaging Conversational Agents to Administrate Medical Interviews"

Invited Speaker, The World Design Cities Conference (WDCC) 2025 *09/2025*
"Embracing Intelligence in Human-Centered Design"

Keynote Speaker, Asia-Pacific Advanced Network (APAN60) *07/2025*
"Empowering Engagement in Human-AI Decision-Making: A Human-Centered, Data-Driven Approach"

Invited Speaker, Tsinghua University, Zhejiang University, Guangxi University *07/2025*
"Bridging the Physical and Digital Experiences through Affordance and Metaphor"

Invited Speaker, CCF@U Seminar Series, Shandong University *07/2024*
"Empowering Engagement in Human-AI Decision-Making"

Keynote Speaker, International Congress on Educational Futures (ICEF) Doctoral Student Consortium *04/2024*
"Charting the Future of AI in Project-Based Learning"

Invited Speaker and Panelist, Hong Kong International Computer Conference (HKICC) *09/2023*
"Collaborative AI for Science: Supporting Stochastic Multi-criteria Decision Making in Scientific Research"

Panelist, Word Artificial Intelligence Conference (WAIC) Forum on Intelligent Education *07/2023*
"Large AI Models and Educational Revolution"

Invited Speaker, Tongji University iDVX Seminar Series Invited Speaker *07/2023*
"Data-Driven Approach to Creativity with Human-Engaged Computing: From Big Data to Big Idea"

Invited Speaker, ShanghaiTech SIST Distinguished Seminar Series *07/2023*
"Data-Driven Approach to Creativity with Human-Engaged Computing: From Big Data to Big Idea"

Invited Speaker, KAIST GSDS Seminar Series *05/2023*
"Empowering and Cultivating Users' Higher-Order Thinking Skills with Human-Engaged AI"

Invited Speaker, HBJRI Frontier Technologies Seminars 2022 Invited Talk *02/2022*
"Towards a Future of Human-Engaged AI: Social Manifestation of Human-Robot Interaction"

Invited Speaker, ACM SIGKDD 2021 Applied Data Science (ADS) Invited Talk *08/2021*

"Data-Driven Approach to Creativity in Design with Human-Engaged AI"
Invited Speaker, China Vis 2021 *2021*
"Exploring Interaction Space of Data Displays"
Invited Speaker and Panelist, China VR 2021 International Education Forum *2021*
"Virtual Reality as a Situated Learning Tool"
Invited Speaker, GAMES: Graphics And Mixed Environment Seminar *2021*
"When VIS Meets HCI: A Life Cycle of User-Centric Visualization Design"
Invited Speaker, HCI Speaker Series at Penn State University *04/2021*
"Empowering and Nurturing Users' Higher-Order Thinking Skills with Human-Engaged AI"
Mentor and Career Development Panelist, CSCW Winter School, Taipei, Taiwan *12/2020*
Invited Speaker, "人机共协，科技向善"ICACHI 云论坛, Online *05/2020*
"Manifesting AI Engagement in Human-Engaged Computing"
Invited Speaker, 物流科技说, Online *05/2020*
"探索数据和知识在智慧城市解决方案中的迁移再定义", 菜鸟丨数智科技
Invited Speaker, "海峡边缘对话边缘计算"技术论坛, Online *04/2020*
"边缘计算下的医患共决策：机遇和挑战", 中国计算机学会青年科技论坛（YOCSEF）厦门分论坛
Invited Speaker, IWHEC 2020, Kochi, Japan *01/2020*
"Manifesting AI Engagement in Human-Engaged Computing"
Keynote Speaker, User Experience Conference (UEC) 2019, Shenzhen, China *12/2019*
"Computational Design: A Data-Driven Approach"
Invited Speaker, CHI2019 Workshop on HCI in China *04/2019*
"Harmonization, Cultivation, and Interaction: Promoting HCI Community in Greater China"
Panelist, Finland-Hong Kong Summit on AI and 5G, Hong Kong *03/2019*
"AI-Human Interactions and Interfaces"
Invited Speaker, Early Career Spotlight, IJCAI-EJCAI, Stockholm, Sweden *07/2018*
"Towards Human-Engaged AI"
Panelist, CHI2018 Workshop on HCI in China *04/2019*
"Human-Centered AI Design"
Seminar, Seoul National University *10/2017*
"Human-Computer Interaction Initiative @ HKUST"
EDC Seminar Speaker, Cambridge University, UK *08/2017*
"Designing Emotional Intelligence: an Experience-oriented, Data-driven Approach to Multimodal Affective Computing"
Human-Computer Interaction Seminar Speaker, Microsoft Research Asia, Beijing, China *03/2012*
"When Words are not Enough: How Multimedia can Bridge Communication Breakdowns"
Invited Speaker and Panelist, Educational Symposium, SIGGRAPH ASIA, Macau *12/2016*
"Engagement in VR/AR-Empowered Education"
Keynote Speaker, Clear Water Bay Entrepreneurship Forum, Hong Kong *07/2016*
"Embodied Immersion: Multimodal Interaction in Virtual Reality"
Invited Speaker and Panelist, Symposium on Minecraft Education, Hong Kong *05/2016*
"From Constructive Education to Destructive Innovation"
Invited Speaker, Workshop on Mining Social Networks, NYU Shanghai, China *10/2015*
"Investigating Approach and Herd Behaviors in Social Commerce"
Invited Speaker and Panelist, HHME, Huludao, China *09/2015*

"Research in Human-Computer Interaction"
Invited Speaker, Information and Interaction Design Submit, Beijing, China *12/2014*
"The Art of Persuasion in Information, Interaction, and Service Design"
Keynote Speaker, Interaction and UX Design Forum, Shanghai, China *09/2014*
"From Broken to Breaking: Recycle, Reuse, and Repurpose Design" Tongji Design Week
Keynote Speaker, Huxiu.com Innovation Festival, Shenzhen, China *09/2014*
"How Computer Computes and Persuade your Emotion: The Story of Danmu"
Computing Seminar Speaker, Hong Kong University, Hong Kong University of Science and Technology, Chinese University of Hong Kong, Hong Kong Polytechnic University, City University of Hong Kong *2013~2014*
"Leveraging Crowds to Design Multimedia-Mediated Communication Support"
Human-Computer Interaction Seminar Speaker, Microsoft Research Asia, Beijing, China *03/2012*
"When Words are not Enough: How Multimedia can Bridge Communication Breakdowns"
Institute of HCI and Media Integration Seminar Speaker, Tsinghua University, China *03/2012*
"When Words are not Enough: How Multimedia can Bridge Communication Breakdowns"
Interaction Design at Disney Meeting Speaker, Disney Research, Pittsburgh, PA *04/2011*
"Communication across Barriers"
Information Systems Research Seminar Speaker, Information Systems, NUS, Singapore *10/2010*
"What is Worth a Thousand Words?"
GCI/HFE HCI Research Seminar Speaker, Infocomm Research, A*STAR, Singapore *08/2010*
"SoundNet: An Environmental Sound Augmented Online Language Assistant Bridging Communication Barriers"
Invited Speaker at AT&T Research Lab Talk Series, AT&T Research, NJ *02/2010*
"A Multimodal Vocabulary for Augmentative and Alternative Communication"
ECE and CAIP Research Seminar Speaker, Rutgers University, NJ *01/2010*
"An Online Multimedia Augmented Language Assistant for People with Aphasia and Other Language Barriers"
Guest speaker at Computer Graphics Seminar Speaker, University College of London, UK *05/2009*
"When Words are not Enough: Online Multimedia Language Assistant for People with Aphasia"

Selected Press

China Daily (Hong Kong): column article (interview about our paper on AI Afterlife) titled "Forever, in code" *2025*
China Daily (Hong Kong): column article (interview with me) titled "Programed companion" *2025*
EurekAlert!: featuring our "Competent but Rigid: Identifying the Gap in Empowering AI to Participate Equally in Group Decision-Making" CHI 2023 paper *2023*
University News (by University of Glasgow): featuring our co-authored "IntimaSea: Exploring Shared Stress Display in Close Relationships" CHI 2023 paper with University of Glasgow *2023*
Association for Computing Machinery (ACM) Showcase on Kudos: featuring our "Infant-centric Family Informatics Practices in Hong Kong" CSCW 2022 paper *2022*
Japanese Media ITmedia NEWS (Japan): featuring our co-authored "EmoG: Supporting the Sketching of Emotional Expressions for Storyboarding" CHI2020 paper with Tongji University *2020*
The Standard (Hong Kong): column article (interview with me) "Let's play it smart on computer interfaces" *2019*
Ta Kung Pao and Hong Kong Commercial Daily: my talk on Clear Water Bay Entrepreneurship Forum *2017*
IEEE Spectrum: "New Taxi Hitchhiker: The Package", featuring our co-authored paper "Crowddeliver: planning city-wide package delivery paths leveraging the crowd of taxis" *2016*
Hong Kong Economic Times: news report (interview with me) on "Pokémon Go" *2016*
CIPD Asia: column article (interview with me) on "The debate: is social media a distraction from work?" *2016*