

# ZHENHUI PENG

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## EMPLOYMENT / EDUCATION

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- Associate Professor:** School of Artificial Intelligence, **Sun Yat-sen University (SYSU)** 2025.03 - Present
- Assistant Professor:** School of Artificial Intelligence, **Sun Yat-sen University (SYSU)** 2021.11 - 2025.03
- Postdoctoral Researcher:** School of Electronic Engineering, **Aalto University** 2021.04 - 2021.10
- Advisor: Antti Oulasvirta
- Ph.D.:** Computer Science, **Hong Kong University of Science and Technology (HKUST)** 2017.08 - 2021.03
- Advisor: Xiaojuan Ma
  - Thesis: *Human-Centered Approaches to Designing Intelligent Agents' Manner for Supporting High-Level Thinking*
- Visiting:** Pervasive Computing Lab, **Tsinghua University** 2020.11 - 2021.01
- Advisor: Chun Yu
- Internship:** Algorithm Engineer in AI Group, WeBank 2019.09 - 2020.01
- B.Sc.:** Electronic and Computer Engineering, **Nanjing University** 2013.08 - 2017.07

## RESEARCH INTERESTS

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- **Human-Computer Interaction:** intelligent tutoring systems, conversational agents, human-AI collaboration, writing and reading support tools
- **Social Computing:** social media data analysis, health informatics, user- and AI-generated content
- **Specific Application Domains:** critical thinking, creative design, learning and education, healthcare

## FUNDED PROJECTS

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- **Natural Science Foundation of China - Young Scientists Fund**  
No.62202509, **PI**, RMB 300,000 2023.01 - 2025.12  
*User Intentions of Creating Text-Image Posts in Online Mental Health Communities*
- **Natural Science Foundation of Guangdong Province in China - General Research Fund**  
No.2024A1515012226, **PI**, RMB 150,000 2024.01 - 2026.12  
*Modeling and Applying Textual and Visual Learning Resources in Online Design Communities*
- **2026 Annual Project of Shenshan Medical-Engineering Integration Special Fund of Sun Yat-sen Memorial Hospital of Sun Yat-sen University and Shenshan Central Hospital**  
No.SYSU-76240-20260423-0001, **PI**, RMB 50,000 2026.05 - 2027.04  
*An Artificial Intelligence Clinical General Anesthesia Awakening System Based on Visual Solutions*
- **Natural Science Foundation of China - Enterprise Innovation Development Joint Fund (Key Supported Project)**  
No.U22B2060, **CI**, RMB 2,540,000 2023.01 - 2026.12  
*Explainable Knowledge Graph Reasoning Technology Driven by Multimodal Data and Knowledge Integration*
- **Natural Science Foundation of China - General Research Fund**  
No.62472455, **CI**, RMB 500,000 2025.01 - 2028.12  
*Research on Traffic Coordinated Computing for Urban Agglomerations*

## PUBLICATIONS

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†: Corresponding author. \*: Equal contribution. Mentees are in underline.

### Refereed Journal Papers

18. Kangyu Yuan, Guanzheng Chen, Sizhe Liang, Hehai Lin, Qingyu Guo, Dingdong Liu, Xiaojuan Ma, and **Zhenhui Peng**†. “CoNewsReader: Supporting Comprehensive Understanding and Raising Critical Thoughts on Social Media News Through Comments”. *Accepted by CSCW 2026, to appeared*
17. Yuanhao Zhang, Xiaoyu Wang, Jiaxiong Hu, Ziqi Pan, **Zhenhui Peng**, and Xiaojuan Ma. “Designing AI-Infused Interactive Systems for Online Communities: A Systematic Literature Review”. *Accepted by CSCW 2026, to appeared*
16. Xueer Lin, Xia Chen, and **Zhenhui Peng**†. “BeautyClicker: Modeling Viewers’ Click Intent of the Cover Image to Support Drafts of Beauty Product Promotion Posts”. *International Journal of Human-Computer Interaction*, 1–37. <https://doi.org/10.1080/10447318.2025.2531291>
15. Qiyu Pan\*, Jianqiao Zeng\*, Jie Wang\*, Junyu Liu\*\*., Yihan Qiu\*\*., Kangyu Yuan, and **Zhenhui Peng**†. “AMQuestioner: Training Critical Thinking with Question-Driven Interactive Argument Maps in Online Discussion”. *Proc. ACM Hum.-Comput. Interact.* 9, 7, Article CSCW370 (November 2025), 48 pages. <https://doi.org/10.1145/3757551>
14. Zhiqing Wang, Haoxiang Fan, Qiaoyi Chen, Shiwei Wu, Yongqi Liang, and **Zhenhui Peng**†. “Exploring the Usage of Generative AI for Group Project-Based Offline Art Courses in Elementary Schools”. *Proc. ACM Hum.-Comput. Interact.* 9, 7, Article CSCW295 (November 2025), 27 pages. <https://doi.org/10.1145/3757476>
13. Xia Chen\*, Xinyue Chen\*, Weixian Hu, Haojia Zheng, Yujun Qian, and **Zhenhui Peng**†. “Redesign of Online Design Communities: Facilitating Personalized Visual Design Learning with Structured Comments”. *Proc. ACM Hum.-Comput. Interact.* 9, 7, Article CSCW318 (November 2025), 29 pages. <https://doi.org/10.1145/3757499>
12. Shiwei Wu, Mingxiang Wang, Chuhan Shi, and **Zhenhui Peng**†. 2025. “ComViewer: An Interactive Visual Tool to Help Viewers Seek Social Support in Online Mental Health Communities”. *Proc. ACM Hum.-Comput. Interact.* 9, N2, Article CSCW006 (April 2025), 31 pages. <https://doi.org/10.1145/3710904>
11. Han Zhang, Jiaqi Zhang, Yuxiang Zhang, Ryan Louie, Taewook Kim, Qingyu Guo, Shuailin Li, and **Zhenhui Peng**†. “MentalImager: Exploring Generative Images for Assisting Support-Seekers’ Self-Disclosure in Online Mental Health Communities”. *Proc. ACM Hum.-Comput. Interact.* 9, 2, Article CSCW133 (April 2025), 35 pages. <https://doi.org/10.1145/3711031> **Best Paper Honorable Mention**
10. Yuansong Xu, Shuhao Zhang, Yijie Fan, Shaohan Shi, **Zhenhui Peng**, and Quan Li. “ReviseMate: Exploring Contextual Support for Digesting Academic Paper Reviews”. *Proc. ACM Hum.-Comput. Interact.* 9, 7, Article CSCW321 (November 2025), 44 pages. <https://doi.org/10.1145/3757502>
9. Qingyu Guo, 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”. *Proc. ACM Hum.-Comput. Interact.* 9, 7, Article CSCW293 (November 2025), 35 pages. <https://doi.org/10.1145/3757474>

8. **Zhenhui Peng**, Qiaoyi Chen, Zhiyu Shen, Xiaojuan Ma, and Antti Oulasvirta. “DesignQuizzer: A Community-Powered Conversational Agent for Learning Visual Design”. *Proc. ACM Hum.-Comput. Interact.* 8, CSCW1, Article 44 (April 2024), 40 pages.
7. **Zhenhui Peng**, Yuzhi Liu, Hanqi Zhou, Zuyu Xu, Xiaojuan Ma. “CReBot: Exploring Interactive Question Prompts for Critical Paper Reading”. *Int. J. Hum.-Comput. Stud.* (IJHCS) 167, C (Nov 2022).
6. Chenyang Zhang, Xiyuan Wang, Chuyi Zhao, Yijing Ren, Tianyu Zhang, **Zhenhui Peng**, Xiaomeng Fan, Xiaojuan Ma, Quan Li. “PromotionLens: Inspecting Promotion Strategies of Online E-commerce via Visual Analytics”. *IEEE Transactions on Visualization and Computer Graphics* (Proc. IEEE VIS 2022)
5. Chengzhong Liu, Zeyu Huang, Dingdong Liu, Shixu Zhou, **Zhenhui Peng**, Xiaojuan Ma. “PlanHelper: Supporting Activity Plan Construction with Answer Posts in Community-based QA Platforms”. *Proc. ACM Hum.-Comput. Interact.* 6, CSCW2, Article 454 (November 2022), 26 pages.
4. Mingfei Sun, **Zhenhui Peng**, Meng Xia, Xiaojuan Ma. “Investigating the Effects of Robot Engagement Communication on Learning from Demonstration”. *International Journal of Social Robotics* 2021.
3. Liuping Wang, Dakuo Wang, Feng Tian, **Zhenhui Peng**, Xiangmin Fan, Han Zhang, Mo Yu, Xiaojuan Ma, and Hongan Wang. “CASS: Towards Building A Social Support Chatbot For An Online Health Community”. *Proc. ACM Hum.-Comput. Interact.* 5, CSCW1, Article 9 (April 2021), 31 pages.
2. **Zhenhui Peng** and Xiaojuan Ma. “A Survey on Construction and Enhancement Methods in Service Chatbots Design”. *CCF Transactions on Pervasive Computing and Interaction.* 1: 204-223. (2019)
1. Taewook Kim, Jungsoo Lee, **Zhenhui Peng**, and Xiaojuan Ma. “Love in Lyrics: An Exploration of Supporting Textual Manifestation of Affection in Social Messaging”. *Proc. ACM Hum.-Comput. Interact.* 3, CSCW, Article 79 (November 2019), 27 pages.

### Refereed Papers in Conference Proceedings

25. Shiwei Wu, Xinyue Chen, Yuheng Liu, Xingbo Wang, Qingyu Guo, Longfei Chen, Chuhan Shi, and **Zhenhui Peng**†. 2026. “ConSearcher: Supporting Conversational Information Seeking in Online Communities with Member Personas.” In *Proceedings of the 2026 Designing Interactive Systems Conference (DIS '26)*. Association for Computing Machinery, New York, NY, USA, 2431–2449. <https://doi.org/10.1145/3800645.3813049>
24. Shiwei Wu, Ziyao Gao, Zhendong He, Zongtan He, ZhuPeng Huang, Xia Chen, Wei Zeng, Xiaojuan Ma, and **Zhenhui Peng**†. “InkIdeator: Supporting Chinese-Style Visual Design Ideation via AI-Infused Exploration of Chinese Paintings.” In *Proceedings of the 2026 CHI Conference on Human Factors in Computing Systems (CHI '26)*. Association for Computing Machinery, New York, NY, USA, Article 388, 1–21. <https://doi.org/10.1145/3772318.3791675>
23. Haoxiang Fan, Changshuang Zhou\*, Hao Yu\*, Xueyang Wu, Jiangyu Gu, and **Zhenhui Peng**†. “LitLinker: Supporting the Ideation of Interdisciplinary Contexts with Large Language Models for Teaching Literature in Elementary Schools”. In *CHI Conference on Human Factors in Computing Systems (CHI '25)*, April 26-May 1, 2025, Yokohama, Japan. ACM, New York, NY, USA, 19 pages.
22. Yiwei Yuan, Zhiqing Wang, Xiucheng Zhang, Yichao Luo, Shuya Lin, Yang Bai, and **Zhenhui Peng**†. “Exploring Community-Powered Conversational Agent for Health Knowledge Acquisition: A Case Study

- in Colorectal Cancer.” In *Proceedings of the 2025 International Conference on Human-Engaged Computing (ICHEC '25)*. Association for Computing Machinery, New York, NY, USA, Article 5, 1–23. <https://doi.org/10.1145/3786995.3787015>
21. Han Zhang, Ka Wing Tsang, and **Zhenhui Peng**†. “VChater: Exploring Generative Conversational Agents for Simulating Exposure Therapy to Reduce Social Anxiety.” In *Proceedings of the Twelfth International Symposium of Chinese CHI (CHCHI '24)*. Association for Computing Machinery, New York, NY, USA, 359–371. <https://doi.org/10.1145/3758871.3758900>
  20. Shuai Ma, Qiaoyi Chen, Xinru Wang, Chengbo Zheng, **Zhenhui Peng**, Min Yin, and Xiaojuan Ma. “Towards Human-AI Deliberation: Design and Evaluation of LLM-Empowered Deliberative AI for AI-Assisted Decision-Making”. In *CHI Conference on Human Factors in Computing Systems (CHI '25), April 26-May 1, 2025, Yokohama, Japan*. ACM, New York, NY, USA, 23 pages.
  19. Ziqi Pan, Xiucheng Zhang, Zisu Li, **Zhenhui Peng**, Mingming Fan, and Xiaojuan Ma. “ACKnowledge: A Computational Framework for Human Compatible Affordance-based Interaction Planning in Real-world Contexts”. In *CHI Conference on Human Factors in Computing Systems (CHI '25), April 26-May 1, 2025, Yokohama, Japan*. ACM, New York, NY, USA, 20 pages. <https://doi.org/10.1145/3706598.3713791>
  18. Haoxiang Fan, Guanzheng Chen, Xingbo Wang, and **Zhenhui Peng**†. “LessonPlanner: Assisting Novice Teachers to Prepare Pedagogy-Driven Lesson Plans with Large Language Models”. In *The 37th Annual ACM Symposium on User Interface Software and Technology (UIST '24), October 13–16, 2024, Pittsburgh, PA, USA*. ACM, New York, NY, USA, 20 pages. <https://doi.org/10.1145/3654777.3676390>
  17. Tianjian Liu, Hongzheng Zhao, Yuheng Liu, Xingbo Wang, and **Zhenhui Peng** †. “ComPeer: A Generative Conversational Agent for Proactive Peer Support”. In *The 37th Annual ACM Symposium on User Interface Software and Technology (UIST '24), October 13–16, 2024, Pittsburgh, PA, USA*. ACM, New York, NY, USA, 22 pages. <https://doi.org/10.1145/3654777.3676430>
  16. Qiaoyi Chen, Siyu Liu, Kaihui Huang, Xingbo Wang, Xiaojuan Ma, Junkai Zhu, and **Zhenhui Peng**†. “RetAssist: Facilitating Vocabulary Learners with Generative Images in Story Retelling Practices”. In *Designing Interactive Systems Conference (DIS '24), July 1–5, 2024, IT University of Copenhagen, Denmark*. ACM, New York, NY, USA, 28 pages.
  15. Shuailin Li, Shiwei Wu, Tianjian Liu, Han Zhang, Qingyu Guo, and **Zhenhui Peng**†. “Understanding the Features of Text-Image Posts and Their Received Social Support in Online Grief Support Communities”. In *The 18th International AAAI Conference on Web and Social Media (ICWSM), June 3–6, 2024, Buffalo, New York, USA*.
  14. Chengbo Zheng, Kangyu Yuan, Bingcan Guo, Reza Hadi Mogavi, **Zhenhui Peng**, Shuai Ma, and Xiaojuan Ma. “Charting the Future of AI in Project-Based Learning: A Co-Design Exploration with Students”. In *Proceedings of the CHI Conference on Human Factors in Computing Systems (CHI '24), May 11–16, 2024, Honolulu, HI, USA*. ACM, New York, NY, USA, 19 pages.
  13. Qianyu Liu, Haoran Jiang, Zihao Pan, Qiushi Han, **Zhenhui Peng**, and Quan Li. “BiasEye: A Bias-Aware Real-time Interactive Material Screening System for Impartial Candidate Assessment”. In *29th International Conference on Intelligent User Interfaces (IUI '24), March 18–21, 2024, Greenville, SC, USA*. ACM, New York, NY, USA, 19 pages.

12. **Zhenhui Peng\***, Xingbo Wang\*, Qiushi Han, Junkai Zhu, Xiaojuan Ma, and Huamin Qu. “Storyfier: Exploring Vocabulary Learning Support with Text Generation Models”. In *The 36th Annual ACM Symposium on User Interface Software and Technology (UIST '23)*, October 29 – November 01, 2023, San Francisco, CA, USA. ACM, New York, NY, USA, 16 pages.
11. Kangyu Yuan\*, Hehai Lin\*, Shilei Cao\*, **Zhenhui Peng†**, Qingyu Guo, and Xiaojuan Ma. “CriTrainer: An Adaptive Training Tool for Critical Paper Reading”. In *The 36th Annual ACM Symposium on User Interface Software and Technology (UIST '23)*, October 29 – November 01, 2023, San Francisco, CA, USA. ACM, New York, NY, USA, 17 pages.
10. Qingyu Guo, Chao Zhang, Hanfang Lyu, **Zhenhui Peng**, and Xiaojuan Ma. “What Makes Creators Engage with Online Critiques? Understanding the Role of Artifacts’ Creation Stage, Characteristics of Community Comments, and their Interactions”. In *Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems (CHI '23)*, April 23–28, 2023, Hamburg, Germany. ACM, New York, NY, USA, 17 pages.
9. Chen Cheng, Ziang Li, **Zhenhui Peng**, and Quan Li. 2023. “ALens: An Adaptive Domain-Oriented Abstract Writing Training Tool for Novice Researchers”. In *HHME/CHCI 2023*.
8. Chengzhong Liu, Shixu Zhou, Yuanhao Zhang, Dingdong Liu, **Zhenhui Peng**, Xiaojuan Ma. “Exploring the Effects of Self-Mockery to Improve Task-Oriented Chatbot’s Social Intelligence”, in *Designing Interactive Systems Conference (DIS '22)*, June 13–17, 2022, Virtual Event, Australia. ACM, New York, NY, USA, 15 pages.
7. Qingyu Guo, Siyuan Zhou, Yifeng Wu, **Zhenhui Peng**, Xiaojuan Ma. “Understanding and Modeling Viewers’ First Impressions with Images in Online Medical Crowdfunding Campaigns”. In *CHI Conference on Human Factor in Computing Systems (CHI '22)*, April 29-May 5, 2022, New Orleans, LA, USA. ACM, New York, NY, USA, 20 pages.
6. Wenjie Yang, Sitong Wang\*, **Zhenhui Peng\***, Chuhan Shi, Xiaojuan Ma, Diyi Yang. “Know it to Defeat it: Exploring Health Rumor Characteristics and Debunking Efforts on Chinese Social Media during COVID-19 Crisis”. In *The 16th International AAAI Conference on Web and Social Media (ICWSM)*, 2022, Georgia, Atlanta, USA.
5. Quan Li, Haipeng Zeng, **Zhenhui Peng**, Xiaojuan Ma. “Understanding Players’ Interaction Patterns with Mobile Game App UI via Visualizations”. In *The Ninth International Symposium of Chinese CHI (Chinese CHI 2021)*, October 16–17, 2021, Online, Hong Kong. ACM, New York, NY, USA, 13 pages. **(Best Paper Award)**
4. **Zhenhui Peng**, Xiaojuan Ma, Diyi Yang, Ka Wing Tsang, and Qingyu Guo. “Effects of Support-Seekers’ Community Knowledge on Their Expressed Satisfaction with the Received Comments in Mental Health Communities”. In *CHI Conference on Human Factors in Computing Systems (CHI '21)*, May 8–13, 2021, Yokohama, Japan. ACM, New York, NY, USA, 12 pages.
3. Ziming Wu, Qianrao Xu, Yiding Liu, **Zhenhui Peng**, Yingqing Xu, and Xiaojuan Ma. “Exploring Designers’ Practice of Online Example Management for Supporting Mobile UI Design”. In *23rd International Conference on Mobile Human-Computer Interaction (MobileHCI '21)*, September 27-October 1, 2021, Toulouse & Virtual, France. ACM, New York, NY, USA, 12 pages.
2. **Zhenhui Peng**, Qingyu Guo, Ka Wing Tsang, and Xiaojuan Ma. “Exploring the Effects of Technological Writing Assistance for Support Providers in Online Mental Health Community”. In *CHI Conference on*

*Human Factors in Computing Systems (CHI '20)*, April 25–30, 2020, Honolulu, HI, USA. ACM, New York, NY, USA, 15 pages.

1. **Zhenhui Peng**, Yunhwan Kwon, Jiaan Lu, Ziming Wu, and Xiaojuan Ma. “Design and Evaluation of Service Robot’s Proactivity in Decision Making Support Process”. In *CHI Conference on Human Factors in Computing Systems Proceedings (CHI 2019)*, May 4–9, 2019, Glasgow, Scotland UK. ACM, New York, NY, USA, 13 pages.

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

15. Haoxiang Fan, Yiwei Yuan, Chi Hsia, Chen Liang, and **Zhenhui Peng**. 2026. “Toward Personalized Proactive Agents on Smart Glasses: From Explicit Context Policies to Implicit User Differences”. 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 678, 1–6. <https://doi.org/10.1145/3772363.3798509>
14. Xueer Lin, Chenyu Li, Yuhan Lyu, Zhicong Lu, and **Zhenhui Peng**†. “Here Comes the Makeup Tutorial You Asked For!” : Exploring Communication Strategies and Viewer Engagement in Beauty Videos on Rednote. In *Companion of the Computer-Supported Cooperative Work and Social Computing (CSCW Companion ' 25)*, October 18 – 22, 2025, Bergen, Norway. ACM, New York, NY, USA, 6 pages. <https://doi.org/10.1145/3715070.3749231>
13. Xiucheng Zhang, Yixin Zeng, Qichang Li, Guanyi Chen, Qian Yao Xu, Xiaozhu Hu, and **Zhenhui Peng**†. “DesignWatch: Analyzing Users’ Operations of Mobile Apps Based on Screen Recordings”. In *Adjunct Proceedings of the 26th International Conference on Mobile Human-Computer Interaction (MobileHCI '24 Adjunct)*. Association for Computing Machinery, New York, NY, USA, Article 20, 1–7. <https://doi.org/10.1145/3640471.3680231>
12. Zimo Xia\*, Xichen Sun\*, Xueyang Wu, Qiyu Pan, Kaixiang Mo, and **Zhenhui Peng**†. “SummarFlex: Exploring Personalized News Filtering and Reading with Query-Focused Hierarchical Summarization”. In *Companion Publication of the 2024 Conference on Computer-Supported Cooperative Work and Social Computing (CSCW Companion '24)*. Association for Computing Machinery, New York, NY, USA, 216–222. <https://doi.org/10.1145/3678884.3681854>
11. Qingyu Guo, Kangyu Yuan, Changyang He, **Zhenhui Peng**, and Xiaojuan Ma. “Exploring the Evolution of Artwork Descriptions in Online Creative Community under the Surge of Generative AI: A Case Study of DeviantArt”. In *Extended Abstracts of the CHI Conference on Human Factors in Computing Systems (CHI EA '24)*, May 11–16, 2024, Honolulu, HI, USA. ACM, New York, NY, USA, 7 pages.
10. Qiushi Han, Haitong Chen, Haoxiang Fan, **Zhenhui Peng**†. “ReDBot: Exploring Conversational Recommendation for Decision-Making Support in Group Chats”. In *Chinese CHI 2023 (CHCHI 2023)*, November 13–16, 2023, Denpasar, Bali, Indonesia. ACM, New York, NY, USA, 8 pages.
9. Ryan Louie, Taewook Kim, and **Zhenhui Peng**. “Rawal: A Reflection Assistant with Active Listening for Peer Support Chats”. In *CHI 2023 Workshops “Integrating Individual and Social Contexts into Self-Reflection Technologies”*.
8. **Zhenhui Peng**, Chuhan Shi, Xiaojuan Ma. “Exploring User Experience and Design Opportunities of Desktop Social Virtual Reality for Group Learning Activities”. In *The Ninth International Symposium of Chinese CHI (Chinese CHI 2021)*, October 16–17, 2021, Online, Hong Kong. ACM, New York, NY, USA, 7 pages.

7. **Zhenhui Peng**. “Designing and Evaluating Intelligent Agents’ Interaction Mechanisms for Assisting Human in High-Level Thinking Tasks”. In *Extended Abstracts of ACM CHI2021 Conference on Human Factors in Computing Systems, Doctoral Consortium*.
6. Quan Li, 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 *Fourth IUI Workshop on Exploratory Search and Interactive Data Analytics (ESIDA’21)*.
5. **Zhenhui Peng**, 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(CHI ’20 EA), April 25–30, 2020, Honolulu, HI, USA*. ACM, New York, NY, USA, 8 pages.
4. Quan Li, **Zhenhui Peng**, Haipeng Zeng, Qiaoan Chen, Lingling Yi, Ziming Wu, Xiaojuan Ma, and Tianjian Chen. “Friend Network as Gatekeeper: A Study of WeChat Users’ Consumption of Friend-Curated Contents”. In *Eighth International Workshop of Chinese CHI2020*.
3. Qiangqiang Liu, Quan Li, Chunfeng Tang, Huanbin Lin, **Zhenhui Peng**, Zhiwei Li, and Tianjian Chen. “Visual Analysis of the Traffic Reimbursement Data for the Overtime”. In *EuroVIS 2020 Poster*.
2. **Zhenhui Peng**, Taewook Kim and Xiaojuan Ma. “GremoBot: Exploring Emotion Regulation in Group Chat”. In *2019 Computer Supported Cooperative Work and Social Computing Companion Publication (CSCW ’19 Companion), November 9–13, 2019, Austin, TX, USA*. ACM, New York, NY, USA, 6 pages.
1. **Zhenhui Peng**, Jeehoon Yoo, Meng Xia, Sunghun Kim, and Xiaojuan Ma. “Exploring How Software Developers Work with Mention Bot in GitHub”. In *Proceeding of the Sixth International Symposium of Chinese CHI (2018)*.

## TEACHING

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PG: Postgraduate. UG: Undergraduate

- **Human-Computer Interaction Design** (UG) **Lecturer** (SYSU), Fall 2024-25
- **Human-Computer Interaction** (PG) **Lecturer** (SYSU), Fall 2022-24
- **Data Structure and Algorithm and its lab sessions** (UG) **Lecturer** (SYSU), Fall 2022-23
- **Principles of Artificial Intelligence and its lab sessions** (UG) **Lecturer** (SYSU), Spring 2022-26
- **COMP4461 Human-Computer Interaction** **Teaching Assistant** (HKUST), Fall 2018, Fall 2020
- **COMP3711 Design and Analysis of Algorithms** **Teaching Assistant** (HKUST), Spring 2020
- **COMP2611 Computer Organization** **Teaching Assistant** (HKUST), Spring 2018

## GRADUATE ADVISEES

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- Xia Chen, Master program Since Fall 2025
- Le Chen, Master program Since Fall 2025
- Xueer Lin, Master program Since Fall 2024
- Yiwei Yuan, Master program Since Fall 2024
- Haoxiang Fan, Master program (incoming Ph.D. student in HKUST(GZ)) 2023-2026
- Shiwei Wu, Master program (incoming Ph.D. student in NUS) 2023-2026
- Shuailin Li, Master program (Now in Baidu) 2022 - 2025

- Han Zhang, Master program (Now in Hithink RoyalFlush Information Network Co.,Ltd.) 2022 - 2025
- Qiushi Han, Master program (Now in China Telecommunications Group Co.,Ltd.) 2021 - 2024

## UNDERGRADUATE ADVISEES

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- Qiyu Pan, Jianqiao Zeng, Jie Wang, Junyu Liu, Yihan Qiu **CSCW 2025**, 2023.11 - 2025.04
- Xia Chen, Xinyue Chen, Weixian Hu, Haojia Zheng, Yujun Qian **CSCW 2025**, 2022.11 - 2024.04
- Xiucheng Zhang, Yixin Zeng, Qichang Li **MobileHCI 2024 Poster**, 2023.11 - 2024.06
- Tianjian Liu (now Ph.D. student in HKUST)(GZ)), Hongzheng Zhao, Yuheng Liu (incoming Ph.D. student in CityU HK) **UIST 2024**, 2023.11 - 2024.10
- Qiaoyi Chen (Outstanding Graduate, now Ph.D. student in HKUST), Kaihui Huang, Siyu Liu **DIS 2024**, 2022.11 - 2024.04
- Shilei Cao, Hehai Lin, Kangyu Yuan (Outstanding Graduate, now Ph.D. student in HKUST) **UIST 2023**, 2022.11 - 2023.10
- Qiaoyi Chen, Zhiyu Shen **CSCW 2024**, 2022.06 - 2022.09
- Zimo Xia, Xichen Sun, Qiyu Pan **CSCW 2024 Poster**, 2023.08 - 2024.02

## VISITING STUDENTS

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- Zhiqing Wang, now Ph.D. student in University of California, San Diego 2024.06 - 2025.03
- Qingyu Guo, Ph.D. candidate in HKUST 2023.11 - 2024.04
- Haitong Chen, now master student in University of Michigan 2023.04 - 2023.08
- Tianze Xie, now Ph.D. student in SUSTech 2022.04 - 2022.06

## ACADEMIC SERVICES

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- **Associate Chair**: CHI 2026&2025&2024&2023, CSCW 2024&2023, UIST 2025, ChineseCHI 2022 Late-Breaking Work
- **Reviewers**: IJHCS, TOCHI, Computers&Education, CHI 2022&2021&2020&2018, CHI-LBW 2020, WWW 2020, CSCW 2021&2020

## TALKS

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- “Learning Through Interaction with Peers”: A Study on Content Modeling and Interactive Applications in Online Communities. In CCF CSCW & Social Computing 2025 summer school, 2025.07, Hangzhou.
- “Supporting High-Order Thinking Tasks with User- and AI-Generated Content”. In Shenzhen University and Southern University of Science and Technology, 2024.01, Shenzhen.
- “Understanding and Facilitating Online Communication: the Roles and Challenges of AI”. In HKUST VisLab. 2021.10, online.
- “Designing and Evaluating Intelligent Agents’ Interaction Mechanisms for Assisting Human in High-Level Thinking Tasks”. In CHI Doctoral Consortium. 2021.05, online.
- “Exploring Future Design of Technological Assistance for Human Kinds in Online Mental Health Communities”. In International Workshop on Human-Engaged Computing (IWHEC). 2021.03, online.
- “Research Practices in Human Agent Interaction and Social Computing”. In Fudan-Guanghua International Forum for Young Scholars Sub-Forum of Computer Science. 2021.01, online.
- “Exploring the Effects of Technological Writing Assistance for Support Providers in Online Mental Health Community”. In HHME Thesis Communication. 2020.10, Chongqing.

- “Design and Evaluation of Conversational Agents in Human-Engaged Computing”. In ChinaCHI Summer School. 2019.07, Nanjing.

## HONORS

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- Best Paper Honorable Mention, CSCW 2025, Bergen 2025
- Best Paper Honorable Mention, CHI 2025, Japan 2025
- Best Paper Award, ChineseCHI 2021, Online 2021
- HKUST SENG Academic Award for Top Continuing PhD Students 2020
- Outstanding Graduate, Nanjing University 2017
- Intel Cup Undergraduate Electronic Embedded System Design Invitation Contest (first-class) 2016