

WEIXIN CHEN

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EDUCATION

Hong Kong Baptist University (HKBU), Hong Kong, China <i>Ph.D. Student in Computer Science (Advisor: Prof. Li Chen)</i>	09/2022 – 08/2026 (Expected)
Rutgers University, New Jersey, United States <i>Visiting Ph.D. Student, Wise Lab (Advisor: Prof. Yongfeng Zhang)</i>	08/2025 – 02/2026
Shenzhen University (SZU), Shenzhen, China <i>B.Eng. in IoT Engineering (Advisor: Prof. Weike Pan)</i>	09/2016 – 07/2020

RESEARCH INTERESTS

Agentic AI · Trustworthy AI · Large Language Models · User Modeling · Recommender Systems

PUBLICATIONS

(* indicates equal contribution.)

Agentic AI & Memory-Augmented Systems

- [1] [ACL '26] MemRec: Collaborative Memory-Augmented Agentic Recommender System
Weixin Chen, Yuhan Zhao, Jingyuan Huang, Zihe Ye, Mingxuan Ju, Tong Zhao, Neil Shah, Li Chen, Yongfeng Zhang
In Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL '26).
Work done during visiting at **Rutgers University**, in collaboration with **SNAP Research**.
- [2] [EACL '26] H-Mem: Hybrid Multi-Dimensional Memory Management for Long-Context Conversational Agents
Zihe Ye, Jingyuan Huang, **Weixin Chen**, and Yongfeng Zhang
In Proceedings of the 19th Conference of the European Chapter of the ACL (EACL '26).

Trustworthy & Fair Recommender Systems

- [3] [RecSys '25] Leave No One Behind: Fairness-Aware Cross-Domain Recommender Systems for Non-Overlapping Users
Weixin Chen*, Yuhan Zhao*, Li Chen, and Weike Pan
In Proceedings of the 19th ACM Conference on Recommender Systems (RecSys '25) (Spotlight Oral).
- [4] [TOIS '25] Causality-Inspired Fair Representation Learning for Multimodal Recommendation
Weixin Chen, Li Chen, Yongxin Ni, and Yuhan Zhao
ACM Transactions on Information Systems (TOIS), 43(6), Article 153.
- [5] [TORS '25] Investigating User-Side Fairness in Outcome and Process for Multi-Type Sensitive Attributes in RecSys
Weixin Chen, Li Chen, and Yuhan Zhao
ACM Transactions on Recommender Systems (TORS), 4(2), Article 25.
- [6] [WWW '26] The Double-Edged Sword of Knowledge Transfer: Diagnosing and Curing Fairness Pathologies in CDR
Yuhan Zhao*, **Weixin Chen***, Li Chen, and Weike Pan
In Proceedings of The Web Conference 2026 (WWW '26) (Oral | Top Ratings: 3 Accept¹, 1 Weak Accept).
- [7] [HCRS@WWW '26] Post-Training Fairness Control: A Single-Train Framework for Dynamic Fairness in RecSys
Weixin Chen, Yuhan Zhao, and Li Chen
In Companion Proceedings of The Web Conference 2026 (HCRS@WWW '26) (Oral).
- [8] [Under Review] SC-VUG: Towards Fair Cross-Domain Recommendation for Non-Overlapping Users via Sparsity-Calibrated Virtual User Generation
Yuhan Zhao*, **Weixin Chen***, Li Chen, Weike Pan
Invited Submission to (TORS Special Issue on RecSys'25 Highlights).
- [9] [Under Review] Breaking the Cocoon: A Model-Agnostic Push-Pull Strategy for Non-Overlapping Users in CDR
Yuhan Zhao, **Weixin Chen**, Shu Chen, Li Chen

¹Highest score in WWW rating system.

- [10] **[Under Review]** DivCDSR: A Model-Agnostic Framework for Diverse Cross-Domain Sequential Recommendation
Shu Chen, Yuhan Zhao, **Weixin Chen**, Weike Pan, Li Chen

General & Sequential Recommender Systems

- [11] **[RecSys '22]** Global and Personalized Graphs for Heterogeneous Sequential Recommendation by Learning Behavior Transitions and User Intentions
Weixin Chen, Mingkai He, Yongxin Ni, Weike Pan, Li Chen, and Zhong Ming
In Proceedings of the 16th ACM Conference on Recommender Systems (**RecSys '22**) (**Oral**).
- [12] **[TIST '26]** Matryoshka Representation Learning for Rec. with Layer- and Hardness-Adaptive Negative Sampling
Riwei Lai, Li Chen, **Weixin Chen**, and Rui Chen
ACM Transactions on Intelligent Systems and Technology (**TIST**).
- [13] **[Under Review]** Revisiting Graph Contrastive Learning for Recommendation: A Data Generation Perspective
Yuhan Zhao, Rui Chen, Li Chen, **Weixin Chen**, Qilong Han, and Songhan Tao.
- [14] **[Under Review]** Different Strokes for Different Folks: Personalizing User Roles in Graph Collaborative Filtering
Yuhan Zhao, Li Chen, Li Kang, **Weixin Chen**, and Rui Chen.

RESEARCH EXPERIENCE

Deep Learning Group, Ping An Insurance Co. Ltd., Shenzhen, China 07/2020 – 10/2020
Researcher Intern

- Addressed the "Posterior Collapse" problem in Variational Autoencoders (reproduced Skip-VAE, CNN-VAE).
- Preprocessed large-scale datasets for chatbot model training (GPT-2 based).

INVITED TALKS

- **Collaborative Memory-Augmented Agentic RecSys** at Kuaishou Beijing 03/2026
- **Collaborative Memory-Augmented Agentic RecSys** at Tencent Shenzhen 03/2026

HONORS AND AWARDS

Scholarships & Academic Honors

- Research Performance Award (HKBU) 2025 – 2026
- Star of SZU (Highest Honor in Major, Top 1%) 2016 – 2017
- Academic Performance Award (Top 1% × 1, Top 4% × 2) 2016 – 2019

Teaching & Service Awards

- Excellent Teaching Assistant Performance Award (HKBU) 2023 – 2024
- Teaching Assistant Performance Award (HKBU, 3 times) 2022 – 2025
- Outstanding Contribution of Student Lecturer (SZU, 2 times) 2017 – 2018

PROFESSIONAL ACTIVITIES

Conference Reviewer: SIGIR (2026), ICWSM (2026), RecSys (2025), WWW (2023)
Journal Reviewer: TOIS (2025), TKDE (2025), TORS (2025), TIS (2023), JIS (2023)

TEACHING EXPERIENCE

(Teaching Assistant)

- Data Security and Privacy (PG & UG), HKBU Spring 2025
- Design and Analysis of Algorithms (UG), HKBU Fall 2023 & 2024
- Recommender Systems (PG & UG), HKBU Spring 2023 & 2024
- Database Systems (UG), SZU Fall 2018

SKILLS & LANGUAGES

Languages: English (Fluent), Mandarin (Native), Cantonese (Fluent)