

WEIXIN CHEN

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EDUCATION

Hong Kong Baptist University (HKBU), Hong Kong, China <i>Ph.D. Student in Computer Science</i> (Advisor: Prof. Li Chen)	09/2022 – 08/2026 (Expected)
Rutgers University, New Jersey, USA <i>Visiting Ph.D. Student, Wise Lab</i> (Advisor: Prof. Yongfeng Zhang)	09/2025 – Present
Shenzhen University (SZU), Shenzhen, China <i>B.Eng. in IoT Engineering</i> (Advisor: Prof. Weike Pan)	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] **[Under Review]** MemRec: Collaborative Memory-Augmented Agentic Recommender System
Weixin Chen, Yuhang Zhao, Jingyuan Huang, Zihe Ye, Mingxuan Ju, Tong Zhao, Neil Shah, Li Chen, Yongfeng Zhang.
Work done during visiting at **Rutgers**, 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*, Yuhang 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 Yuhang 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 Yuhang 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
Yuhang Zhao*, **Weixin Chen***, Li Chen, and Weike Pan.
In Proceedings of The Web Conference 2026 (**WWW '26**)
- [7] **[HCRS@WWW '26]** Post-Training Fairness Control: A Single-Train Framework for Dynamic Fairness in RecSys
Weixin Chen, Yuhang Zhao, and Li Chen.
In Companion Proceedings of The Web Conference 2026 (**HCRS@WWW '26**) (**Oral**)

General & Sequential Recommender Systems

- [8] **[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**)
- [9] **[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**) (*just accepted*)

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).

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), TIIS (2023), JIIS (2023)

TEACHING EXPERIENCE

- 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)