WEIXIN CHEN

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EDUCATION

Hong Kong Baptist University (HKBU), Hong Kong, China　　　　09/2022 – 08/2026 (Expected)
Ph.D. Student in Computer Science　(Advisor: Prof. Li Chen)

Rutgers University, New Jersey, USA　　　　09/2025 – Present
Visiting Ph.D. Student, Wise Lab　(Advisor: Prof. Yongfeng Zhang)

Shenzhen University (SZU), Shenzhen, China　　　　09/2016 – 07/2020
B.Eng. in IoT Engineering　(Advisor: Prof. Weike Pan)

RESEARCH INTERESTS

Agentic Recommender Systems · User Modeling · Fairness in AI · Large Language Models (LLMs)

PUBLICATIONS

(* indicates equal contribution)

Agentic AI & Memory-Augmented Systems

[1] **[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

[2] **[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)**

[3] **[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.

[4] **[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.

General & Sequential Recommender Systems

[5] **[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)**

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)　　　　2024 – 2025

- Star of SZU (Highest Honor in Major, Top 1%)　　　　2016 – 2017

- Academic Performance Award (Top 1% $\times$ 1, Top 4% $\times$ 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: 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)