

# WEIXIN CHEN

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## EDUCATION

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- 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

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

## PUBLICATIONS

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(\* indicates equal contribution)

### Agentic AI & Memory-Augmented Systems

- [1] **[Under Review]** 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.  
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\*, 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**)
- [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**)

### 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

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**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

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### Scholarships & Academic Honors

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|---|-------------|
| • Research Performance Award (HKBU)                                 | 2025 – 2026 |
| • 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

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|---|-------------|
| • 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

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**Conference Reviewer:** SIGIR (2026), ICWSM (2026), RecSys (2025), WWW (2023)

**Journal Reviewer:** TOIS (2025), TKDE (2025), TORS (2025), TIIS (2023), JIIS (2023)

## TEACHING EXPERIENCE

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|--|--------------------|
| • 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

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