

HUANG CHENGKAI

Computer Science Building (K17), Engineering Rd, UNSW Sydney, Kensington NSW 2052, Australia
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EDUCATION

- The University of New South Wales, Sydney** *Sep 2021 - Present*
Ph.D. Candidate of Computer Science and Engineering
Department of Computer Science and Engineering
- Harbin Institute of Technology, Shenzhen** *Sep 2019 - Jul 2021*
Master of Computer Science and Technology
Department of Computer Science and Technology
- Harbin Engineering University, Harbin** *Aug 2015 - Jun 2019*
Bachelor of Computer Science and Technology
Department of Computer Science and Technology

RESEARCH INTERESTS

Recommender System, data mining, multi-modal learning, and computer vision.

PUBLICATION

- Zhiqiang Liu, Yuhong Li, **Chengkai Huang**, KunTing Luo, Yanxia Liu, *Boosting Fine-tuning via Conditional Online Knowledge Transfer*. Neural Networks(NN 2024, CORE A).
- Guanglin Zhou, **Chengkai Huang**, Xiacong Chen, Xiwei Xu, Chen Wang, Liming Zhu and Lina Yao, *Contrastive Counterfactual Learning for Causality-aware Interpretable Recommender Systems*. The ACM Conference on Information and Knowledge Management(CIKM 2023, CORE A).
- **Chengkai Huang**, Shoujin Wang, Xianzhi Wang and Lina Yao, *Dual Contrastive Transformer for Hierarchical Preference Modeling in Sequential Recommendation*. The ACM SIGIR Conference on Research and Development in Information Retrieval(SIGIR 2023, CORE A*).
- **Chengkai Huang**, Shoujin Wang, Xianzhi Wang and Lina Yao, *Modeling Temporal Positive and Negative Excitation for Sequential Recommendation*. The ACM Web Conference(TheWebConf 2023, CORE A*).
- Zhiqiang Liu, Yanxia Liu, **Chengkai Huang**, *Semi-Online Knowledge Distillation*. British Machine Vision Conference (BMVC 2021, CORE A).
- **Chengkai Huang**, Xuan Luo, Jiajia Zhang, Qing Liao, Xuan Wang, Zoe L. Jiang, and Shuhan Qi. *Exploring Instance Similarity: An Instance Correlation Based Hashing Method for Multi-label Cross-model Retrieval*. Information Processing & Management(IPM 2020, CORE A).

WORKING PAPERS

- **Chengkai Huang**, Tong Yu, Kaige Xie, Shuai Zhang, Lina Yao and Julian McAuley, *Foundation Models for Recommender Systems: A Survey and New Perspectives*. [under review].
- **Chengkai Huang**, Rui Wang, Kaige Xie, Tong Yu and Lina Yao, *Learn When (not) to Trust Language Models: A Privacy-Centric Adaptive Model-Aware Approach*. [under review].
- **Chengkai Huang**, Shoujin Wang, Lina Yao and Lianying Qi, *Multi-faceted Preference Intensity Modelling for Sequential Recommendation*. [under review].
- Le Pan, Yuanjiang Cao, **Chengkai Huang**, Lina Yao and Wenjie Zhang, *Counterfactual Inference for Eliminating Sentiment Bias in Recommender Systems*. [under review].

ACADEMIC SERVICE

PC member & Reviewer & Sub-reviewer:

- Journals: ACM Transactions on Spatial Algorithms and Systems(**TSAS**); IEEE Transactions on Artificial Intelligence(**TAI**); ACM Transactions on Intelligent Systems and Technology(**TIST**); ACM Transactions on Recommender Systems(**TORS**); IEEE Transactions on Knowledge and Data Engineering(**TKDE**).
- Conferences: TheWebConf-24, CIKM-23, KDD-23, ICLR-23, NeurIPS-23, CIKM-22, IJCAI-20.

SKILL

- Software: Python(Deep Learning Framework: Pytorch, Tensorflow), SQL, C++, Java, Matlab, Git
- Languages: Mandarin, English
- Hobbies: Basketball, Jogging and Pop music

REWARDS

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| RICOH Scholarship Harbin Institute of Technology-RICOH Joint Laboratory | <i>Aug 2020</i> |
| CAAI National Youth Artificial Intelligence Innovation Competition The Second Class Prize | <i>Dec 2019</i> |
| Harbin Engineering University Outstanding Graduate The First Prize Scholarship for Academic Excellence, 2016-2019 | <i>Jun 2019</i> |
| Bo Chuang Cup International IOT Design Competition Special Award | <i>Jun 2018</i> |
| Artificial Intelligence Future Challenge Cup Winning Award | <i>Sep 2018</i> |
| Mathematical Modeling of the Three Northeastern Provinces League Major Award | <i>June 2018</i> |