

# XIAOSHAN YU - Curriculum Vitae

**Born:** 20th August 1998  
**Nationality:** Chinese  
**Status:** Ph.D. Candidate  
**Fields:** Intelligent Education, Recommender Systems, Evolutionary Computation  
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Xiaoshan Yu is a third-year Ph.D. student at Anhui University (AHU), under the supervision of Prof. Xingyi Zhang. His research focuses on Intelligent Education, Trustworthy Learner Modeling, Evolutionary Computation, Recommender Systems, and Neural Architecture Search. He has published several papers in prestigious journals and top-tier conferences, including IEEE TKDE, KDD, NeurIPS, WWW, IJCAI, ICDM, and CIKM.

## Education

2020.09 - Present	<b>Ph.D. in Computer Science</b> <i>Anhui University, School of Artificial Intelligence</i> Bio-inspired Intelligence and Mining Knowledge (BIMK) Research Institute <b>Advisor:</b> Prof. <b>Xingyi Zhang</b> and Assoc. Prof. <b>Haiping Ma</b>	📍 <i>Hefei, China</i>
2016.09 - 2020.07	<b>Bachelor Degree in Software Engineering</b> <i>Hefei Normal University, School of Computer</i>	📍 <i>Hefei, China</i>

## Experience

2023.06-2024.03	<b>Assistant Researcher Intern</b> <i>Career Science Lab (CSL), BOSS Zhiping</i> Focused on research related to job recommendation tasks, with an emphasis on interpretability and the development of corresponding recommender systems. <b>Mentor:</b> <b>Chuan Qin</b> and <b>Hengshu Zhu</b>	📍 <i>Beijing, China</i>
2022.06-2022.10	<b>Assistant Researcher Intern</b> <i>Talent Intelligence Center (TIC), Baidu</i> Contributed to the development and implementation of adaptive test question recommendation algorithms for Baidu's Smart School Recruitment Platform. <b>Mentor:</b> <b>Chuan Qin</b> and <b>Hengshu Zhu</b>	📍 <i>Beijing, China</i>

## Publications

<b>Journal article</b> TKDE-2024	<b>Xiaoshan Yu</b> , Chuan Qin*, Dazhong Shen, Haiping Ma*, Le Zhang, Xingyi Zhang, Hengshu Zhu, and Hui Xiong. <b>RDGT: Enhancing Group Cognitive Diagnosis with Relation-Guided Dual-Side Graph Transformer</b> . IEEE Transactions on Knowledge and Data Engineering, 2024. (CCF-A).
<b>Conference paper</b> KDD-2024	<b>Xiaoshan Yu</b> , Chuan Qin*, Dazhong Shen, Shangshang yang, Haiping Ma*, Hengshu Zhu*, and Xingyi Zhang. <b>RIGL: A Unified Reciprocal Approach for Tracing the Independent and Group Learning Processes</b> . Proceedings of the 30th ACM SIGKDD Conference on Knowledge Discovery and Data Mining, 2024. (CCF-A).

Conference paper ICDM-2024	<b>Xiaoshan Yu</b> , Chuan Qin*, Qi Zhang, Chen Zhu, Haiping Ma*, Xingyi Zhang, and Hengshu Zhu. <b>DISCO: A Hierarchical Disentangled Cognitive Diagnosis Framework for Interpretable Job Recommendation</b> . IEEE International Conference on Data Mining (ICDM), 2024. (CCF-B).
Conference paper NeurIPS-2023	Shangshang Yang, <b>Xiaoshan Yu</b> , Ye Tian, Xueming Yan, Haiping Ma*, and Xingyi Zhang*. <b>Evolutionary Neural Architecture Search for Transformer in Knowledge Tracing</b> . Proceedings of the Thirty-seventh Conference on Neural Information Processing Systems, 2023. (CCF-A).
Conference paper CIKM-2023	Shuhuan Liu, <b>Xiaoshan Yu</b> , Haiping Ma*, Ziwen Wang, Chuan Qin, and Xingyi Zhang*. <b>Homogeneous Cohort-Aware Group Cognitive Diagnosis: A Multi-grained Modeling Perspective</b> . Proceedings of the 32nd ACM International Conference on Information and Knowledge Management, 2023. (CCF-B).
Journal article CAIS-2023	Jianjun Chu, <b>Xiaoshan Yu</b> , Shangshang Yang, Jianfeng Qiu, and Qijun Wang*. <b>Architecture entropy sampling-based evolutionary neural architecture search and its application in osteoporosis diagnosis</b> . Complex & Intelligent Systems, 2023, 9(1): 213-231. (JCR Q1).
Conference paper NeurIPS-2024	Shangshang Yang, Mingyang Chen, Ziwen Wang, <b>Xiaoshan Yu</b> , Panpan Zhang, Haiping Ma*, and Xingyi Zhang. <b>DisenGCD: A Meta Multigraph-assisted Disentangled Graph Learning Framework for Cognitive Diagnosis</b> . Proceedings of the Thirty-eighth Conference on Neural Information Processing Systems, 2024. (CCF-A).
Conference paper IJCAI-2024	Haiping Ma, Siyu Song, Chuan Qin*, <b>Xiaoshan Yu</b> , Limiao Zhang*, Xingyi Zhang, and Hengshu Zhu. <b>DGCD: An Adaptive Denoising GNN for Group-level Cognitive Diagnosis</b> . Proceedings of the Thirty-Third International Joint Conference on Artificial Intelligence, 2024. (CCF-A).
Conference paper WWW-2024	Haiping Ma, Yong Yang, Chuan Qin*, <b>Xiaoshan Yu</b> , Shangshang Yang, Xingyi Zhang* and Hengshu Zhu. <b>HD-KT: Advancing Robust Knowledge Tracing via Anomalous Learning Interaction Detection</b> . Proceedings of the ACM Web Conference 2024, 2024. (CCF-A).

## Honors and Awards

2024.10	National Scholarship Candidate
2022.10	First Class Award Scholarship of the Graduate
2021.10	First Class Award Scholarship of the Graduate
2018.10	National Encouragement Scholarship (Undergraduate)

## Social Services

2024.10 - Present	<b>Reviewer</b> for WWW-2025 & ICLR-2025
2024.08 - Present	<b>Program Committee Member</b> for AACL-2025
2024.03 - 2024.06	<b>Reviewer</b> for KDD-2024
2023.08 - 2023.10	<b>Program Committee Member</b> for AACL-2024
2023.06 - 2023.10	<b>Reviewer</b> for CIKM-2023
2023.04 - 2023.06	<b>Reviewer</b> for ECMLPKDD-2023