

CHENGKAI LIU

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EDUCATION

Texas A&M University, College Station, TX, USA *Aug. 2022 - Present*
Ph.D. in Computer Science, advised by [Prof. James Caverlee](#)

Shanghai Jiao Tong University, Shanghai, China *Sept. 2018 - June 2022*
B.Eng. in Computer Science (ACM Honors Class), advised by [Prof. Yong Yu](#)

RESEARCH INTERESTS

I am interested in machine learning and recommender systems. My goal is to enhance personalized recommendations by leveraging advanced models, including large language models, transformers, and graph neural networks.

PUBLICATIONS

Towards Symmetry-Aware Generation of Periodic Materials

- Youzhi Luo, **Chengkai Liu**, Shuiwang Ji.
- The 37th Conference on Neural Information Processing Systems (NeurIPS 2023 **Spotlight**)

ACADEMIC SERVICES

Reviewer of CIKM (2023)

TEACHING EXPERIENCE

CSCE 433/627: Formal Languages and Automata/Theory of Computability *Spring 2024, Fall 2023*
Teaching Assistant

CSCE 629: Deep Learning *Summer 2023*
Teaching Assistant

CSCE 421: Machine Learning *Summer 2023*
Teaching Assistant

MS106/125: Programming Practice of Computer Algorithms - SJTU *Summer 2020*
Student Instructor

CS158: Data Structures - SJTU *Spring 2020*
Teaching Assistant