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RESEARCH BACKGROUND	<ul style="list-style-type: none"> • Graph Unsupervised Learning: Graph Clustering/ Community Detection, Graph Representation Learning, Graph Contrastive Learning. • Graph Conformal Prediction: Conformal Prediction for Node Classification. 	
EDUCATION	South China University of Technology (SCUT) , Guangzhou, China.	2018–2022
	<ul style="list-style-type: none"> • B.Eng., Software Engineering. • Advisor: Prof. Jian Chen, Dr. Zhibin Hu and Prof. Yan Yan (Washington State University). 	
TECHNICAL SKILLS	<ul style="list-style-type: none"> • <i>Programming Languages:</i> C/C++, Python, L^AT_EX, Java, Pascal, Lisp. • <i>Technical Softwares:</i> MATLAB. 	
EMPLOYMENT EXPERIENCE	Tencent , Shenzhen, China.	May 2021 – Sept 2021
	<ul style="list-style-type: none"> • Machine Learning Research Intern. • Mentor: Dr. Xuyuan Xu and Dr. Mengyang Liu. 	
RESEARCH EXPERIENCE	<ul style="list-style-type: none"> • Graph Clustering and Community Detection Apr 2020–Present Discovery the community structure in social network by graph contrastvie learning. <ul style="list-style-type: none"> ◦ Use contrastive learning to improve the robustness of the representation. ◦ Achieve state-of-the-art performance on Cora, Citeseer, and PubMed. ◦ The paper is under review. (First author) • Large-scale Graph Representation Learning @ Tencent May 2021–Sept 2021 Video relationship chain analysis. <ul style="list-style-type: none"> ◦ 1M nodes scale video-tag heterogeneous network representation learning, and classification of video nodes (3K categories) ◦ Two training methods, transductive learning, and inductive learning are implemented. Transductive learning reaches 95% accuracy, inductive learning reaches 88%, and the baseline is 77%. ◦ This model implements mini-batch training on large graph. It can complete inference within 10s for new nodes. • Graph Conformal Prediction May 2021–Present An innovative distribution-free, nonparametric forecasting method, based on minimal assumptions. <ul style="list-style-type: none"> ◦ Conformal Prediction (CP) is an independent algorithm to measure the reliability of the model. ◦ The traditional CP requires samples to be i.i.d, we extend it to the node classification task. 	
SELECTED PUBLICATIONS	1. Yang, J., Huang, J., Yan, Y., Hu, Z., & Chen, J. (2021). Community Detection via Graph Contrastive Learning. <i>Under review</i> .	
HONORS AND AWARDS	<ul style="list-style-type: none"> • First Prize National Olympiad in Informatics in Provinces (NOIP). 2016(Senior High School) • Silver Award (13th) Guangdong Collegiate Programming Contest (GPCPC). 2019 • First Prize SCUT Software Developing Contest. 2019 • Third Prize SCUT Scholarship. 2019 	