Contact Information	1117, Siebel Center for Computer Science 201 North Goodwin Avenue Urbana, IL 61801, USA	Phone:+1-616-227-7218 E-mail:qi.zhu.ckc@gmail.com Google Scholar:Qi Zhu
Research Interests	Transfer Learning, Domain adaptation on Graph Weakly-supervised and unsupervised representation learning on text-rich networks	
Education	University of Illinois Urbana-Champaign	
	M.S., Computer Science, 2016 - 2018 Ph.D., Computer Science, 2018 - 2023 Advisor: Prof. Jiawei Han	
	Zhejiang University	
	B.Eng., Computer Science, 2012.10 - 2016.6	
	 Graduation honor: Qizhen Class, Chu-Kochen Honors College Advisor: Prof. Deng Cai GPA:3.87/4, top 5% 	
Experience	University of Illinois, Urbana-Champaign	Aug 2016 to Present
	• Research Assistant, Data Mining Group, Database and Information System (DAIS) Lab	
	• Thesis: Effort-light Graph Representation Learning for Text-Rich Networks	
	• Selected Research Projects:	
	 Transfer Learning of Graph Neural Networks with Ego-graph Information We establish a theoretically grounded and practically useful framework for the transfer learning of GNNs with experiments for both theoretical and practical scenarios. HEER: Heterogenous Network Embedding via edge semantics Embedding HINs via edge representations that are further coupled with properly-learned heterogeneous metrics to cope with incompatible semantics introduced by heterogeneity in HINs. 	
	Google Inc.	May to Aug 2020
	• Research Intern, Google Research, mentor: Bryan Perozzi	
	• Project: Domain-shift Robust Graph Neural Networks In semi-supervised graph learning, gathering labels uniformly at rand We present Shift-Robust GNN to account for distributional differences and the graph's true inference distribution.	om can be a great challenge. between biased training data
	Amazon Inc.	May to Aug 2019
	• Applied Scientist Intern, Product Graph, mentor: Luna Dong	
	• Project: Collective Multi-type Entity Alignment Between Knowledge Graphs We observe that the sparsity of different KGs has been overlooked by existing methods and propose a collective graph neural network that incorporates collective alignment decisions across neighborhoods from two graphs, which is achieved by a cross-graph attention mechanism. Our experiments show 10% F1 score improvement in average on two large-scale real world dataset with millions of nodes.	
	Google Inc.	May to Aug 2017
	• Software Engineer Intern, Image Search	
	• Project: Co-click Related Images Pipeline and Co-click Embedding Sig	gnals
	Robotics Institute, Carnegie Mellon University	Jun to Aug 2016

- Research Scholar, supervisor: Prof. Yaser Sheikh
- Project: Articulate Object Keypoint Detection and Pose Estimation Using Synthetic Data

Zhejiang University

- Research Assistant, State Key Lab of CAD&CG
- Thesis: Personalized Recommendation in Heterogeneous Social Network

Department of Computer Science, University of California, Davis

Jul to Sep 2015

- Research Intern, supervisor: Prof. YongJae Lee
- Project: Human Augmented Training Data in Learning To Rank

Selected

PUBLICATIONS	 Shift-Robust GNNs: Overcoming the Limitations of Localized Graph Training data Qi Zhu, N. Ponomareva, J. Han, B. Perozzi Thirty-fifth Conference on Neural Information Processing Systems (NeurIPS), 2021 	
	 Transfer Learning of Graph Neural Networks with Ego-graph Information Maximization Qi Zhu, Y. Xu, H. Wang, C. Zhang, C. Yang, J. Han Thirty-fifth Conference on Neural Information Processing Systems (NeurIPS), 2021 	
	 SUMDocS: Surrounding-aware Unsupervised Multiple Document Summarization Qi Zhu, F. Guo, J. Tian, Y. Mao, J. Han, SIAM International Conference on Data Mining (SDM), 2021 	
	 Collective Multi-type Entity Alignment Between Knowledge Graphs Qi Zhu, H. Wei, B. Sisman, D. Zheng, C. Faloutsos, X. Dong, J. Han, International World Wide Web Conference (WWW), 2020 	
	 Integrating Local and Global Information for Open Information Extraction Qi Zhu, X. Ren, J. Shang, Y. Zhang, F. Xu, J. Han, International Conference on Web Search and Data Mining (WSDM), 2019. 	
	 Easing Embedding Learning by Comprehensive Transcription of Heterogeneous Information Networks Yu Shi*, Qi Zhu*, F. Guo, C. Zhang, J. Han (* equation contribution), International Conference on Knowledge Discovery & Data Mining (KDD), 2018. 	
	 Open Information Extraction with Global Structure Constraints Qi Zhu, X. Ren, J. Shang, Y. Zhang, F. Xu, J. Han, WWW 2018 Posters track(Best Poster Honorable Mention) 	
	 Unsupervised Differentiable Multi-aspect Network Embedding Chanyoung Park, C. Yang, Q. Zhu, H. Yu, J Han, International Conference on Knowledge Discovery & Data Mining (KDD), 2020 	
Awards & Scholarships	 Amazon Machine Learning Research Award, 2020 Q1 Project: Empower Heterogenous Information Network with Label Efficient Graph Representation Learning 	
	• 3rd place in WSDM Cup 2017	
Professional Services	PC Member: NeurIPS, ICLR, WWW, EMNLP, AAAI, IJCAI, CIKM, ECML-PKDD	
Programming Skills	Programming Languages: Python, C/C++, MATLAB, UNIX shell scripting Machine Learning Libraries: PyTorch, Keras	