

Shichang Zhang

CONTACT INFORMATION	3320 Sawtelle Blvd Los Angeles, CA 90066	shichang@cs.ucla.edu
EDUCATION	University of California, Los Angeles <i>Ph.D. in Computer Science</i> (Advisor: Yizhou Sun)	Los Angeles, CA Expected: 2024
	Stanford University <i>M.S. in Statistics</i> , GPA: 3.95	Stanford, CA Apr. 2019
	University of California, Berkeley <i>B.A. in Statistics</i> , GPA: 3.92 Honors: Honors in Statistics, High Distinction	Berkeley, CA May 2017
PROFESSIONAL EXPERIENCE	Applied Scientist Intern Amazon, Amazon Graph Machine Learning Team	June 2022 - Spet. 2022 Santa Clara, CA
	<ul style="list-style-type: none">• GNN explanation on link predictions	
	Research Intern Snap Inc, Snap Research Team	June 2021 - Spet. 2021 Los Angeles, CA
	<ul style="list-style-type: none">• Cross-model distillation from GNNs to MLPs to speed up model inference by 179 times and facilitate model deployment on latency-constraint applications.• Condense the training graph to a synthetic graph by over 90% reduction rate while maintaining competitive model performance for GNNs trained from scratch.	
	Data Scientist Intern WeWork, Research and Applied Science Team	June 2019 - Spet. 2019 Palo Alto, CA
	<ul style="list-style-type: none">• Implemented a data processing pipeline in SQL and Python for data querying, data cleaning, and feature engineering.• Trained a Gradient Boosted Tree model on two million customer data to predict occupancy rate for WeWork buildings and achieved 0.093 MAE on the test set.• Presented the pricing project as a selected outstanding project to the Research and Applied Science team including the VP.	
RESEARCH INTERESTS	Graph Neural Networks (GNNs), Explainable Models, Self-Supervised Learning, Generative Models, and Bayesian Deep Learning	
PUBLICATIONS	Shichang Zhang , Neil Shah, Yozen Liu, Yizhou Sun. “Explaining Graph Neural Networks with Structure-Aware Cooperative Games” (Pre-print)	
	Shichang Zhang , Yozen Liu, Yizhou Sun, Neil Shah. “ Graph-less Neural Networks, Teach Old MLPs New Tricks via Distillation” (ICLR 2022)	
	Wei Jin, Lingxiao Zhao, Shichang Zhang , Yozen Liu, Jiliang Tang, Neil Shah. “ Graph Condensation for Graph Neural Networks” (ICLR 2022)	

Shichang Zhang, Ziniu Hu, Arjun Subramonian, Yizhou Sun. “Motif-driven Contrastive Learning of Graph Representations” (SSL@WWW2021)

Yewen Wang, **Shichang Zhang**, Ziniu Hu, Yusong Ye, Junghoo Cho, Yizhou Sun. “Adaptive Graph Neural Networks via Fisher Regularization-Guided Filter Integration” (Pre-print)

Shichang Zhang, Yancheng Li, Yiyang Li. “Machine Reading Comprehension with Hierarchical Attention and Stochastic Prediction Dropout” (Pre-print)

ACADEMIC
SERVICE

Conference Reviewer/PC Member: KDD 2020, ECML-PKDD 2021, NeurIPS 2021, 2022, ICDM 2021, ICML 2022 (Top 10% Reviewer), CIKM 2022, WSDM 2023, AAAI 2023

Journal Reviewer: TKDD, TKDE

HONORS AND
AWARDED

ICML 2022 Top Reviewer (Top 10%)

TEACHING
EXPERIENCE

Teaching Assistant

Department of Computer Science, UCLA

Sept. 2020 - Present
Los Angeles, CA

- CS145: Introduction to Data Mining (Fall 2020, Fall 2021)
- CS32: Introduction to Computer Science II (Spring 2021)

SKILLS

Programming: Python (PyTorch, PyG, DGL), C++, C, R, Java, SQL
Operating system & Tools: Linux (Ubuntu), Git, Docker, Jupyter, L^AT_EX
Natural Language: Mandarin Chinese (Native), English (Proficient)