

Shengyu Feng

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1010 W University Ave 531B, Urbana, IL, 61801, U.S.

Research Interests I'm broadly interested in various topics of data mining and machine learning, with special interests in representation learning and structure discovery.

Education **University of Illinois at Urbana-Champaign (UIUC)** Champaign, IL, U.S.
M.S., Computer Science: *GPA: 3.91/4.00* Aug. 2020 – May 2022
Advisor: Dr. Hanghang Tong

University of Michigan (UMich) Ann Arbor, MI, U.S.
B.S.E., Computer Science: *GPA: 4.00/4.00* Sep. 2018 – May 2020

Shanghai Jiao Tong University (SJTU) Shanghai, China
B.S., Electrical and Computer Engineering: *GPA: 3.67/4.00* Sep. 2016 – Aug. 2020

Research Internship **Microsoft Research** Remote
Research intern May 2022 - Aug. 2022
Knowledge-reasoning vision-language pretraining

Intel AI Lab Remote
Graduate technical intern May 2021 - Aug. 2021
Dynamic scene graph generation

Publications **Concept Discovery for Fast Adaptation**
Shengyu Feng, Hanghang Tong
Preprint

Exploiting Long-Term Dependencies for Generating Dynamic Scene Graphs
Shengyu Feng, Subarna Tripathi, Hesham Mostafa, Marcel Nassar and Somdeb Majumdar
Preprint

Adversarial Graph Contrastive Learning with Information Regularization
Shengyu Feng, Baoyu Jing, Yada Zhu and Hanghang Tong
ACM Web Conference (WWW), 2022

Coreference by appearance: Visually Grounded Event Coreference Resolution

Liming Wang, Shengyu Feng, Xudong Lin, Manling Li, Shih-Fu Chang and Heng Ji

EMNLP 2021 Workshop on Computational Models of Reference, Anaphora and Coreference (CRAC), 2021

Batch Reinforcement Learning Through Continuation Method

Yijie Guo, Shengyu Feng, Nicolas Le Roux, Ed Chi, Honglak Lee and Minmin Chen
International Conference on Learning Representations (ICLR), 2021

Memory Based Trajectory-conditioned Policies for Learning from Sparse Rewards

Yijie Guo, Jongwook Choi, Marcin Moczulski, Shengyu Feng, Samy Bengio, Mohammad Norouzi and Honglak Lee
Neural Information Processing Systems (NeurIPS) 2020

Honors and	Siebel Scholars for class 2022 (UIUC)	2021
Awards	Basketball Data Madness Challenge 2020 Winner (UMich)	2020
	University Merit Student (SJTU)	2017, 2018
	Interdisciplinary Contest in Modeling Meritorious Winner	2017
	Dean's List (UMich, SJTU)	Every semester

Teaching	Teaching Assistant, UIUC	Spring 2021, Fall 2020
Experiences	CS 445: Computational Photography	
	Instructor: Derek Hoime	

	Instructional Aide, UMich	Winter 2020, Fall 2019
	EECS 442: Computer Vision	
	Instructor: Justin Johnson (Winter 2020), David Fouhey (Fall 2019)	

Professional	Reviewer, <i>Neural Information Processing Systems (NeurIPS)</i> , 2022	
	Reviewer, <i>International Conference on Distributed Computing Systems (ICDCS)</i> , 2022	
	Reviewer, <i>International Conference on Machine Learning (ICML)</i> , 2022	
	Reviewer, <i>International Conference on Learning Representations (ICLR)</i> , 2022	
Services	Reviewer, <i>Neural Information Processing Systems (NeurIPS)</i> , 2021	

Voluntary	SJTU Student & Alumni Association , UMich	Sep. 2018 – May 2020
Experiences	Organizing alumni activities and workshops	

	Joint Institute Alumni Association , SJTU	Sep. 2017 – May 2018
	Collecting alumni contact information and organizing alumni activities	

Skills

Programming languages: Python, C/C++, Javascript, Java, R and Matlab

Deep learning frameworks: PyTorch, Tensorflow and Pytorch Geometric