

CONTACT INFORMATION	1017 Academic Way Tallahassee, FL, 32304 Office: LOV 207A Tel: (+1) 434-227-2509	Homepage: https://yushundong.github.io Lab GitHub: https://github.com/LabRAI E-mail: yushun.dong@fsu.edu
PROFESSIONAL EXPERIENCE	Florida State University Tenure-Track Assistant Professor, Department of Computer Science Founding Director, Responsible AI Lab Founder & Committee Chair, Student Research Seminar Initiative	08/2024 – Present
RESEARCH INTEREST	I envision a future with democratized AI capacity via trustworthy Machine Learning as a Service (MLaaS), which motivates the exciting topics spanning AI, machine learning, and data mining: <ul style="list-style-type: none"> • AI Security & Privacy: Model Extraction Attack and Defense; Privacy Certification • AI Robustness: Generalization; Invariant Learning • AI Explainability: Mechanistic Interpretability; Graph-Based Explanation • AI/ML+X (Applications): Disaster Resilience; Healthcare; Social Science 	
EDUCATION	University of Virginia, USA Ph.D. in Electrical and Computer Engineering; Advisor: Dr. Jundong Li	01/2020 – 06/2024
	Beijing University of Posts and Telecommunications, China Bachelor of Engineering in Telecommunication Engineering	09/2015 – 06/2019
HONORS AND AWARDS	Second Prize Award in BlueSky Track of ICDM	2025
	Best Short Paper Award at ACM SIGSPATIAL	2025
	Featured Interview as a Distinguished Faculty By WCTV (CBS News) [Link]	2025
	Highlights at NSF PATH CICI Presentation Series [Link]	2025
	Honors in the Major Mentor Thesis Program, Florida State University	2025
	Featured AI Researcher Honor by Campus Partners, Florida State University	2025
	Outstanding Doctoral Student Award, University of Virginia	2025
	ISO Graduate Academic Excellence Honors, University of Virginia	2025
	College of Arts and Sciences Dean's Faculty Award, Florida State University	2024
	Louis T. Rader Graduate Research Award, University of Virginia	2023
	Endowed Fellowship Award, University of Virginia	2022
	Best Poster Award, SIAM International Conference on Data Mining	2022
	McVey Fellowship Award, University of Virginia	2021
TEACHING EXPERIENCE (2024 —)	FSU CS Seminar Series Undergrad & Grad Level	2024 Fall, 2025 Spring, 2025 Fall, 2026 Spring
	FSU CIS 4930/CAP 5771: Data Mining Undergrad & Grad Level	2025 Fall, 2024 Fall
	FSU CIS 4930/CAP 5638: Pattern Recognition Graduate Level	2025 Spring, 2026 Spring

OPEN-SOURCE **PyOD V2** [[GitHub Link](#)]

SOFTWARE A well-developed and easy-to-use Python library for detecting anomalies in multivariate data. **32 million+ downloads, 9.4k+ stars, widely deployed and popular in industry.**

Social Media Highlights:

[The best Python library for Outlier Detection: PyOD.]

[Amazing Python library: PyOD]

[I Used PyOD Library To Perform Anomaly Detection]

[An amazing Python library for detecting anomalies in multivariate data — PyOD]

PyGDebias [[GitHub Link](#)]

A widely used open-source Python library designed to address fairness issues for graph learning. 1.5k+ downloads, popular in the domain of fair graph learning.

PyGIP [[GitHub Link](#)]

A new Python library for attacking and defending graph learning models via model extraction. Directly support AI+X applications, deployed for healthcare and natural disaster alert.

GRANTS
(2024 —)

National Science Foundation, Lead PI, \$2,322,053 07/14/2025 - 07/13/2026
FIRE: An Integrated AI System Tackling the Full Life Cycle of Wildfires in Hurricane Prone Regions

National Science Foundation, Lead PI, \$600,000 01/01/2026 - 12/31/2028
CICI: UCSS: Secure Machine Learning as a Service for Collaborative Scientific Research

Florida State University, Lead PI, \$50,000 11/01/2024 - 10/31/2025
Understanding the Neural Signatures During Sensory Change: A Machine Learning Approach

Florida State University, Sole PI, \$20,000 (Completed) 05/11/2025 - 08/07/2025
Certified Machine Unlearning for Non-independently and Non-identically Distributed Data

PUBLICATIONS

Google Scholar: https://scholar.google.com/citations?hl=en&user=_QUhuOMAAAAJ
Citations: 2.3k+, h-index: 25, i10-index: 36.

Tutorials:

[T1] A Survey on Model Extraction Attacks and Defenses for Large Language Models
Kaixiang Zhao, Lincan Li, Kaize Ding, Neil Gong, Yue Zhao, **Yushun Dong**
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD 2025).

[T2] Fairness in Graph Machine Learning: Recent Advances and Future Perspectives
Yushun Dong, Oyku Deniz Kose, Yanning Shen, Jundong Li
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD 2023).

[T3] Fairness in Graph Mining: Metrics, Algorithms, and Applications
Yushun Dong, Jing Ma, Chen Chen, Jundong Li
The IEEE International Conference on Data Mining (ICDM 2022).

Journal Papers:

[J1] Safety in Graph Machine Learning: Threats and Safeguards
Song Wang, **Yushun Dong**, Binchi Zhang, Zihan Chen, Xingbo Fu, Yinhan He, Cong Shen, Chuxu Zhang, Nitesh V. Chawla, Jundong Li
IEEE Transactions on Knowledge and Data Engineering (TKDE 2026).

[J2] SEESAW: Do Graph Neural Networks Improve Node Representation Learning for All?
Yushun Dong, William Shiao, Yozen Liu, Jundong Li, Neil Shah, Tong Zhao
Journal of Data-centric Machine Learning Research (DMLR) 2025.

[J3] Federated Graph Learning with Graphless Clients
Xingbo Fu, Song Wang, **Yushun Dong**, Binchi Zhang, Chen Chen, Jundong Li
Transactions on Machine Learning Research (TMLR) 2024.

[J4] Learning Hierarchical Task Structures for Few-shot Graph Classification
Song Wang, **Yushun Dong**, Xiao Huang, Chen Chen, Jundong Li
IEEE Transactions on Knowledge Discovery from Data (TKDD) 2024.

[J5] Fairness in Graph Mining: A Survey
Yushun Dong, Jing Ma, Song Wang, Chen Chen, Jundong Li
IEEE Transactions on Knowledge and Data Engineering (TKDE) 2023.

[J6] Federated Graph Machine Learning: A Survey of Concepts, Techniques, and Applications
Xingbo Fu, Binchi Zhang, **Yushun Dong**, Chen Chen, Jundong Li
SIGKDD Explorations 2022.

Conference Papers:

[C1] MolEdit: Knowledge Editing for Multimodal Molecule Language Models
Zhenyu Lei, Patrick Soga, Yaochen Zhu, Yinhan He, **Yushun Dong**, Jundong Li
International Conference on Web Search and Data Mining (WSDM 2026).

[C2] Query-Efficient Domain Knowledge Stealing Against Large Language Models
Zhengao Li, Xiaopeng Yuan, Bolin Shen, Kien Le, Haohan Wang, Xugui Zhou, Shangqian Gao, **Yushun Dong**
AAAI Conference on Artificial Intelligence (AAAI 2026).

[C3] Targeted Pathway Inference for Biological Knowledge Bases via Graph Learning and Explanation
Rikuto Kotoge, Ziwei Yang, Zheng Chen, **Yushun Dong**, Jimeng Sun, Yasushi Sakurai
AAAI Conference on Artificial Intelligence (AAAI 2026).

[C4] Certified Defense on the Fairness of Graph Neural Networks
Yushun Dong, Binchi Zhang, Hanghang Tong, Jundong Li
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD 2026).

[C5] Reforming the Mechanism: Editing Reasoning Patterns in LLMs with Circuit Reshaping
Zhenyu Lei, Qiong Wu, Jianxiang Dong, Yinhan He, Emily Dodwell, **Yushun Dong**, Jundong Li
International Conference on Learning Representations (ICLR 2026).

[C6] Evolving Safety Landscape of Multi-modal Large Language Models: A Survey of Emerging Threats and Safeguards
Xi Li, Shu Zhao, Xiaohan Zou, Fei Zhao, Fuxiao Liu, Yusen Zhang, **Yushun Dong**, Jiaqi Wang
ICLR 2026 Workshop on Principled Design for Trustworthy AI - Interpretability, Robustness, and Safety across Modalities.

[C7] COMPOL: A Unified Neural Operator Framework for Scalable Multi-Physics Simulations
Yifei Sun, Tao Wang, Junqi Qu, **Yushun Dong**, Hwei Tang, Shibo Li
International Joint Conference on Neural Networks (IJCNN 2026).

[C8] An Analysis of Active Learning Algorithms using Real-World Crowd-sourced Text Annotations
Varun Totakura, Ankita Singh, **Yushun Dong**, Shayok Chakraborty
International Joint Conference on Neural Networks (IJCNN 2026).

[C9] Optimizing EEG Graph Structure for Seizure Detection: An Information Bottleneck and Self-Supervised Learning Approach
Lincan Li, Rikuto Kotoge, Xihao Piao, Zheng Chen, **Yushun Dong**
IEEE International Conference on Healthcare Informatics (ICHI 2026).

[C10] Spatiotemporal Modeling of Social Capital and Infrastructure Mobility Resilience during Hurricane Harvey
Rong Ding, Weiyu Li, Zhenyu Lei, **Yushun Dong**, Jundong Li, Qi Wang
Natural Hazards Review, 2026.

[C11] Topology Matters: Measuring Memory Leakage in Multi-Agent LLMs
Jinbo Liu, Defu Cao, Yifei Wei, Tianyao Su, Yuan Liang, **Yushun Dong**, Yue Zhao, Xiyang Hu
The 64th Annual Meeting of the Association for Computational Linguistics (ACL 2026).

- [C12] A Survey on Model Extraction Attacks and Defenses for Large Language Models
Kaixiang Zhao, Lincan Li, Kaize Ding, Neil Gong, Yue Zhao, **Yushun Dong**
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD 2025).
- [C13] Learning from the Storm: A Multivariate Machine Learning Approach to Predicting Hurricane-Induced Economic Losses
Bolin Shen, Eren Erman Ozguven, Yue Zhao, Guang Wang, Yiqun Xie, **Yushun Dong**
ACM Special Interest Group on Spatial Information (SIGSPATIAL 2025 SpatialConnect Workshop).
- [C14] LLM-Empowered Patient-Provider Communication: A Data-Centric Survey from a Clinical Perspective
Ruosi Shao, Md Shamim Seraj, Kangyi Zhao, Yingtao Luo, Lincan Li, Bolin Shen, Averil Bates, Yue Zhao, Chongle Pan, Lisa Hightow-Weidman, Shayok Chakraborty, **Yushun Dong**
International Joint Conference on Natural Language Processing & Asia-Pacific Chapter of the Association for Computational Linguistics (IJCNLP-AAACL 2025).
- [C15] VirtualGCN – Enhancing Graph Collaborative Filtering with Virtual Interactions
Patrick Soga, **Yushun Dong**, Yaochen Zhu, Jundong Li, Tong Zhao, Neil Shah
IEEE International Conference on Big Data (BigData 2025).
- [C16] Navigating Between Explainability and Extractability in Machine Learning as a Service
Ojas Nimase, Yue Zhao, **Yushun Dong**
The IEEE International Conference on Data Mining, Bluesky Track (ICDM 2025).
- [C17] Hierarchical Demonstration Order Optimization for Many-shot In-Context Learning
Yinhan He, Wendy Zheng, Song Wang, Zaiyi Zheng, **Yushun Dong**, Yaochen Zhu, Jundong Li
Annual Conference on Neural Information Processing Systems (NeurIPS 2025).
- [C18] Learning from Diverse Reasoning Paths with Routing and Collaboration
Zhenyu Lei, Zhen Tan, Song Wang, Yaochen Zhu, Zihan Chen, **Yushun Dong**, Jundong Li
Conference on Empirical Methods in Natural Language Processing (EMNLP 2025).
- [C19] Harnessing Large Language Models for Disaster Management: A Survey
Zhenyu Lei, **Yushun Dong**, Weiyu Li, Rong Ding, Qi Wang, Jundong Li
Annual Meeting of the Association for Computational Linguistics Findings (ACL 2025).
- [C20] Fairness-Aware Graph Learning: A Benchmark
Yushun Dong, Song Wang, Zhenyu Lei, Zaiyi Zheng, Jing Ma, Chen Chen, Jundong Li
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD 2025).
- [C21] ATOM: A Framework of Detecting Query-Based Model Extraction Attacks for Graph Neural Networks
Zhan Cheng, Bolin Shen, Tianming Sha, Yuan Gao, Shibo Li, **Yushun Dong**
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD 2025).
- [C22] Model Extraction Attacks and Defenses for Large Language Models
Kaixiang Zhao, Lincan Li, Kaize Ding, Neil Gong, Yue Zhao, **Yushun Dong**
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD 2025).
- [C23] CEGA: A Cost-Effective Approach for Graph-Based Model Extraction Attacks
Zebin Wang, Menghan Lin, Bolin Shen, Ken Anderson, Molei Liu, Tianxi Cai, **Yushun Dong**
International Conference on Machine Learning (ICML 2025).
- [C24] Towards Global-level Mechanistic Interpretability: A Perspective of Modular Circuits of Large Language Models
Yinhan He, Wendy Zheng, **Yushun Dong**, Yaochen Zhu, Chen Chen, Jundong Li
International Conference on Machine Learning (ICML 2025).
- [C25] Graph Neural Networks Are More Than Filters: Revisiting and Benchmarking from A Spectral Perspective
Yushun Dong, Yinhan He, Patrick Soga, Song Wang, Jundong Li
International Conference on Learning Representations (ICLR 2025).

- [C26] CEB: Compositional Evaluation Benchmark for Fairness in Large Language Models
Song Wang, Peng Wang, Tong Zhou, **Yushun Dong**, Zhen Tan, Jundong Li
International Conference on Learning Representations (ICLR 2025).
- [C27] PyOD 2: A Python Library for Outlier Detection with LLM-powered Model Selection
Sihan Chen, Zhuangzhuang Qian, Wingchun Siu, Xingcan Hu, Jiaqi Li, Shawn Li, Yuehan Qin, Tiankai Yang, Zhuo Xiao, Wanghao Ye, Yichi Zhang, **Yushun Dong**, Yue Zhao
International Conference on World Wide Web (WWW 2025).
32 million+ downloads, 9.4k+ stars, widely deployed and popular in industry
- [C28] ST-FiT: Inductive Spatial-Temporal Forecasting with Limited Training Data
Zhenyu Lei, **Yushun Dong**, Jundong Li, Chen Chen
AAAI Conference on Artificial Intelligence (AAAI 2025).
- [C29] BrainMAP: Learning Multiple Activation Pathways in Brain Networks
Song Wang, Zhenyu Lei, Zhen Tan, Jiaqi Ding, Xinyu Zhao, **Yushun Dong**, Guorong Wu, Tianlong Chen, Chen Chen, Aiyong Zhang, Jundong Li
AAAI Conference on Artificial Intelligence (AAAI 2025).
- [C30] TyphoFormer: Language-Augmented Transformer for Accurate Typhoon Track Forecasting (Short Paper)
Lincan Li, Eren Erman Ozguven, Yue Zhao, Guang Wang, Yiqun Xie, **Yushun Dong**
International Conference on Advances in Geographic Information Systems (SIGSPATIAL 2025).
Best Short Paper Award
- [C31] Adversarial Attacks on Fairness of Graph Neural Networks
Binchi Zhang, **Yushun Dong**, Chen Chen, Yada Zhu, Minnan Luo, Jundong Li
International Conference on Learning Representations (ICLR 2024).
- [C32] SD-Attack: Targeted Spectral Attacks on Graphs
Xianren Zhang, Jing Ma, **Yushun Dong**, Chen Chen, Min Gao, Jundong Li
Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2024).
- [C33] PyGDebias: A Python Library for Debiasing in Graph Learning
Yushun Dong, Zhenyu Lei, Zaiyi Zheng, Song Wang, Jing Ma, Alex Jing Huang, Chen Chen, Jundong Li
International Conference on World Wide Web (WWW 2024).
- [C34] Towards Certified Unlearning for Deep Neural Networks
Binchi Zhang, **Yushun Dong**, Tianhao Wang, Jundong Li
International Conference on Machine Learning (ICML 2024).
- [C35] Knowledge Graph-Enhanced Large Language Models via Path Selection
Haochen Liu, Song Wang, Yaochen Zhu, **Yushun Dong**, Jundong Li
Annual Meeting of the Association for Computational Linguistics Findings (ACL 2024).
- [C36] IDEA: A Flexible Framework of Certified Unlearning for Graph Neural Networks
Yushun Dong, Binchi Zhang, Zhenyu Lei, Na Zou, Jundong Li
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD 2024).
- [C37] Rethinking Fair Graph Neural Networks from Re-balancing
Zhixun Li, **Yushun Dong**, Qiang Liu, Jeffrey Xu Yu
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD 2024).
- [C38] Explaining Graph Neural Networks with Large Language Models: A Counterfactual Perspective on Molecule Graphs
Yinhan He, Zaiyi Zheng, Patrick Soga, Yaochen Zhu, **Yushun Dong**, Jundong Li
Empirical Methods in Natural Language Processing (EMNLP 2024).
- [C39] On Demonstration Selection for Improving Fairness in Language Models
Song Wang, Peng Wang, **Yushun Dong**, Tong Zhou, Lu Cheng, Yangfeng Ji, Jundong Li
Annual Conference on Neural Information Processing Systems, SoLaR Workshop (NeurIPS 2024).

- [C40] CEB: Compositional Evaluation Benchmark for Fairness in Large Language Models
Song Wang, Peng Wang, Tong Zhou, **Yushun Dong**, Zhen Tan, Jundong Li
Annual Conference on Neural Information Processing Systems, SoLaR Workshop (NeurIPS 2024).
- [C41] KG-CF: Knowledge Graph Completion with Context Filtering under the Guidance of Large Language Models
Zaiyi Zheng, **Yushun Dong**, Song Wang, Haochen Liu, Qi Wang, Jundong Li
IEEE International Conference on Big Data (BigData 2024).
- [C42] Generalizable Graph Masked Autoencoder via Collaborative Latent Space Reconstruction
Yucheng Shi, **Yushun Dong**, Qiaoyu Tan, Jundong Li, Ninghao Liu
The Conference on Information and Knowledge Management (CIKM 2023).
- [C43] Empower Post-hoc Graph Explanations with Information Bottleneck: A Pre-training and Fine-tuning Perspective
Jihong Wang, Minnan Luo, Jundong Li, Yun Lin, **Yushun Dong**, Jin Song Dong, Qinghua Zheng
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD 2023).
- [C44] Post Disaster Private Well Water Contamination with Geosocial Network: A Case Study of Post Hurricane Harvey
Rong Ding, **Yushun Dong**, Daniel Aldrich, Jundong Li, Kelsey Pieper, Qi Wang
ASCE International Conference on Computing in Civil Engineering (i3CE 2023).
- [C45] When Newer is Not Better: Does Deep Learning Really Benefit Recommendation From Implicit Feedback?
Yushun Dong, Jundong Li, Tobias Schnabel
SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2023).
- [C46] RELIANT: Fair Knowledge Distillation for Graph Neural Networks
Yushun Dong, Binchi Zhang, Yiling Yuan, Na Zou, Qi Wang, Jundong Li
SIAM International Conference on Data Mining (SDM 2023).
- [C47] Interpreting Unfairness in Graph Neural Networks via Training Node Attribution
Yushun Dong, Song Wang, Jing Ma, Ninghao Liu, Jundong Li
AAAI Conference on Artificial Intelligence (AAAI 2023).
- [C48] Few-shot Node Classification with Extremely Weak Supervision
Song Wang, **Yushun Dong**, Kaize Ding, Chen Chen, Jundong Li
International Conference on Web Search and Data Mining (WSDM 2023).
- [C49] Spatial-Temporal Networks for Antibigram Pattern Prediction
Xingbo Fu, Chen Chen, **Yushun Dong**, Anil Vullikanti, Eili Klein, Gregory Madden, Jundong Li
IEEE International Conference on Healthcare Informatics (ICHI 2023).
- [C50] Federated Graph Machine Learning: A Survey of Concepts, Techniques, and Applications (Spotlight)
Xingbo Fu, Binchi Zhang, **Yushun Dong**, Chen Chen, Jundong Li
International Workshop on Federated Learning with Graph Data (FedGraph 2022).
- [C51] On Structural Explanation of Bias in Graph Neural Networks
Yushun Dong, Song Wang, Yu Wang, Tyler Derr, Jundong Li
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD 2022).
- [C52] GUIDE: Group Equality Informed Individual Fairness in Graph Neural Networks
Weihao Song, **Yushun Dong**, Ninghao Liu, Jundong Li
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD 2022).
- [C53] Fair View Graph Neural Network for Fair Node Representation Learning
Yu Wang, Yuying Zhao, **Yushun Dong**, Huiyuan Chen, Jundong Li, Tyler Derr
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD 2022).
- [C54] FAITH: Few-Shot Graph Classification with Hierarchical Task Graphs
Song Wang, **Yushun Dong**, Xiao Huang, Chen Chen, Jundong Li

International Joint Conference on Artificial Intelligence (IJCAI 2022).

[C55] Empowering Next POI Recommendation with Multi-Relation Modeling (Short Paper)
Zheng Huang, Jing Ma, **Yushun Dong**, Natasha Zhang Foutz, Jundong Li
Special Interest Group on Information Retrieval (SIGIR 2022).

[C56] EDITS: Modeling and Mitigating Data Bias for Graph Neural Networks
Yushun Dong, Ninghao Liu, Brian Jalaian, Jundong Li
International Conference on World Wide Web (WWW 2022).
The 7-th Most Influential Paper in the Proceedings of WWW 2022

[C57] Assessing the Causal Impact of COVID-19 Related Policies on Outbreak Dynamics: A Case Study in the US
Jing Ma, **Yushun Dong**, Zheng Huang, Daniel Mietchen, Jundong Li
International Conference on World Wide Web (WWW 2022).

[C58] Contrastive Attributed Network Anomaly Detection with Data Augmentation
Zhiming Xu, Xiao Huang, Yue Zhao, **Yushun Dong**, Jundong Li
Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2022).

[C59] Graph Neural Networks with Adaptive Frequency Response Filter
Yushun Dong, Kaize Ding, Brian Jalaian, Shuiwang Ji, Jundong Li
International Conference on Information and Knowledge Management (CIKM 2021).

[C60] Individual Fairness for Graph Neural Networks: A Ranking based Approach
Yushun Dong, Jian Kang, Hanghang Tong, Jundong Li
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD 2021).
Best Poster Award in SDM Doctoral Forum

[C61] Forecasting Pavement Performance with a Feature Fusion LSTM-BPNN Model
Yushun Dong, Yingxia Shao, Xiaotong Li, Sili Li, Lei Quan, Wei Zhang, Junping Du
International Conference on Information and Knowledge Management (CIKM 2019).

[C62] Learning Route Planning from Experienced Drivers Using Generalized Value Iteration Network
Xiao Wang, Quan Yuan, Zhihan Liu, **Yushun Dong**, Xiaojuan Wei, Jinglin Li
International Conference on Internet of Vehicles (IOV 2019).

SERVICES

Panelist Reviewer

National Science Foundation 2024, 2025

Conference Area Chair

International Conference on Knowledge Discovery and Data Mining (SIGKDD) 2025, 2026

Annual Meeting of the Association for Computational Linguistics (ACL) 2024, 2025

Senior Program Committee Member

Conference on Information and Knowledge Management (CIKM) 2024, 2025

AAAI Conference on Artificial Intelligence (AAAI) 2026

Conference Session Chair

Conference on Information and Knowledge Management (CIKM) 2024

International Conference on Knowledge Discovery and Data Mining (KDD) 2022, 2023

SIAM International Conference on Data Mining (SDM) 2023

International Conference on Data Mining (ICDM) 2022

International Joint Conference on Artificial Intelligence (IJCAI) 2021

Program Committee Member & Conference Reviewer

European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD) 2024,2025

International Conference on Machine Learning (ICML) 2022, 2023, 2024, 2025

Conference on Knowledge Discovery and Data Mining (KDD) 2021, 2022, 2023, 2024, 2025, 2026

The Web Conference (WWW) 2023, 2024, 2025

Conference on Neural Information Processing Systems (NeurIPS) 2024, 2025

International Conference on Learning Representations (ICLR) 2023, 2024, 2025, 2026

Journal Reviewer

Transactions on Machine Learning Research (TMLR)

The Journal of Data-centric Machine Learning Research (DMLR)

IEEE Transactions on Computers

Pattern Recognition

IEEE Transactions on Knowledge and Data Engineering (TKDE)

IEEE Transactions on Big Data (TBD)

Frontiers of Computer Science (FCS)

ACM Transactions on Knowledge Discovery from Data (TKDD)

IEEE Transactions on Dependable and Secure Computing (TDSC)

ACM Transactions on Information Systems (TOIS)

ACM Transactions on Intelligent Systems and Technology (TIST)

IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)

ACM Transactions on Knowledge Discovery from Data (TKDD)

ACM Computing Surveys (CSUR)

IEEE Transactions on Neural Networks and Learning Systems (TNNLS)

Outreach Activities

Undergraduate Research Opportunity Program (UROP) 2024, 2025

High School CS workshop, Florida State University 2025

Undergrad Consortium at Conference on Knowledge Discovery and Data Mining (KDD) 2023

Internal Services at FSU

Founding Director of Student Seminar Series, Computer Science Department 2024

	Committee Chair of Student Seminar Series, Computer Science Department	2024, 2025, 2026
	Financial Aid & Admissions Committee Member	2025, 2026
	Graduate Studies Committee Member	2025, 2026
MENTORING (2024 —)	Bolin Shen, PhD Student PhD advisor Florida State University	2025.01 - Present
	Lincan Li, PhD Student PhD advisor Florida State University SIGSPATIAL 2025 publication.	2025.01 - Present
	Ryan Leigh, PhD Student PhD advisor Florida State University	2025.08 - Present
	Xueqi Cheng, PhD Student PhD advisor Florida State University	2025.08 - Present
	Yangshuang Xu, PhD Student Host of visiting scholar Florida State University	2025.09 - Present
	Zhan Cheng Undergrad study advisor, SIGKDD 2025 publication. Last known affiliation: University of Wisconsin–Madison	2024.08 - Present
	Kaixiang Zhao Undergrad study advisor, SIGKDD 2025 publication; SIGKDD 2025 tutorial. Last known affiliation: University of Notre Dame	2024.10 - Present
	Zebin Wang Host of visiting scholar, ICML 2025 publication. Last known affiliation: Harvard University	2024.11 - Present
	Ken Anderson Undergrad study advisor, ICML 2025 publication. Florida State University	2024.11 - 2024.5
	Menghan Lin Host of visiting scholar, ICML 2025 publication. Florida State University	2024.11 - 2024.2
	Guillermo Marr Advisor of honors thesis. Florida State University	2024 - Present
	Sarah Heger Advisor of honors thesis. Florida State University	2024 - Present
Ashley Oliveira Andrade Advisor of honors thesis. Florida State University	2024 - Present	
Francisco de La Espriella Advisor of honors thesis.	2024 - Present	

Florida State University	
Ashwati Nair PhD dissertation committee member. Florida State University	2024 - Present
Md Shamim Seraj PhD dissertation committee member. Florida State University	2024 - Present
Cameron Bender Directed individual study advisor. Florida State University	2025 - Present
Nayana Vemireddy Summer research project advisor. Florida State University	2025
Zhengao Li Advisor of Master's program. Florida State University	2024 - 2025
Kien Le Undergraduate Research Opportunity Program (UROP) project advisor. Florida State University	2024 - 2025
Ken Anderson Undergraduate Research Opportunity Program (UROP) project advisor. Florida State University	2024 - 2025
Ammiel Bowen Undergraduate Research Opportunity Program (UROP) project advisor. Florida State University	2024 - 2025
Megan Cole Advisor of Master's Program. Florida State University	2025 - Present
Muhammad Ammar Husain Siddiqi Doctoral supervisory committee member. Florida State University	2025
Ayoola Ajayi Doctoral supervisory committee member. Florida State University	2025
Luke Stanton Individual honors-augmented course advisor. Florida State University	2025
Nick Ratzlaff Honors thesis advisor. Florida State University	2025
Bryce Angus Undergraduate Research Opportunity Program (UROP) project advisor. Florida State University	2025 - Present
Malachi Davey Undergraduate Research Opportunity Program (UROP) project advisor. Florida State University	2025 - Present
Frederick Meier	2025 - Present

Undergraduate Research Opportunity Program (UROP) project advisor. Florida State University	
Gabriella Munoz Undergraduate Research Opportunity Program (UROP) project advisor. Florida State University	2025 - Present
Malachi Davey Undergraduate Research Opportunity Program (UROP) project advisor. Florida State University	2025 - Present
Joel Kommoji Advisor of visiting high school student. Florida State University	2025 - Present
Nayana Vemireddy Advisor of visiting high school student & Science Fair Project. Florida State University	2025 - Present
Francisco de La Espriella Advisor of Directed Individual Study; Advisor of Honor Thesis. Florida State University	2025 - Present

INVITED
TALKS
(SELECTED)

Press & Societies	
CBS News , Tallahassee Featured Interview as a Distinguished Faculty: Handling Hurricane-Fueled Wildfire With AI	2025
INFORMS , Atlanta Understanding the preferences of large language models under interdisciplinary contexts	2025
UIIC Summit @DistribuTech , Dallas AI in Utility Operations	2025
INFORMS , Seattle Responsible Graph Machine Learning	2024
US Federal Agencies & Universities	
National Science Foundation PATH CICI Presentation Series Toward Secure Machine Learning as a Service for Collaborative Scientific Research	2025
University of Delaware , Newark Unleashing the Power of Graph-Based Machine Learning as a Service (GMLaaS)	2025
Harvard University , Boston Secure Machine Learning as a Service & Interdisciplinary Applications in Healthcare	2025
Florida State University , Tallahassee Navigating Secure Machine Learning as a Service	2025
Harvard University , Boston Model Extraction Attacks on Large Language Models	2025
Rice University , Houston Political-LLM	2025
University of Virginia , Charlottesville Artificial Intelligence: What Do We Have and Where We Are Heading?	2023
Harvard University , Boston	2025

Model Extraction Attacks Against Graph Learning Models	
Case Western University , Champaign Unleashing The Power of Fair Graph Machine Learning	2024
University of Illinois Urbana-Champaign , Cleveland Responsible Graph Machine Learning Under a Fairness Lens	2024
Industry & Research Labs	
AT&T , New Jersey Editing Reasoning Patterns in LLMs with Circuit Shaping	2025
Snap Research , Seattle Do Graph Neural Networks Improve Node Representation Learning for All?	2023
Mila Quebec AI Institute , Montreal Individual fairness for graph neural networks: A ranking based approach	2022
Microsoft Research , Redmond Does deep learning really benefit recommendation from implicit feedback?	2022
International Academic Conferences	
SIGKDD , Toronto Fairness-Aware Graph Learning: A Benchmark	2025
ICML , Vancouver Revisiting and Benchmarking Graph Neural Networks from A Spectral Perspective	2025
TheWebConf , Singapore A Python Library for Debiasing in Graph Learning	2024
SIGKDD , Barcelona A Flexible Framework of Certified Unlearning for Graph Neural Networks	2024
SIGIR , Taipei Does Deep Learning Really Benefit Recommendation From Implicit Feedback?	2023
SDM , Minneapolis Fair Knowledge Distillation for Graph Neural Networks	2023
AAAI , Washington DC Interpreting Unfairness in Graph Neural Networks via Training Node Attribution	2023
SIGKDD , Washington DC On Structural Explanation of Bias in Graph Neural Networks	2022
TheWebConf , Virtual EDITS: Modeling and Mitigating Data Bias for Graph Neural Networks	2022
CIKM , Virtual Graph Neural Networks with Adaptive Frequency Response Filter	2021
SIGKDD , Virtual Individual Fairness for Graph Neural Networks: A Ranking based Approach	2021
CIKM , Beijing Forecasting Pavement Performance with a Feature Fusion LSTM-BPNN Model	2019