Shangbin Feng

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Research Interests

Natural language processing, knowledge graphs, graph mining, and social network analysis. Lately my research focus is knowledge-aware and graph-based NLP with applications for social good.

Education

University of Washington. Seattle, WA, USA — starting 2022.9
Ph.D. in Computer Science and Engineering

Xi'an Jiaotong University, Xi'an, Shaanxi, China — 2018.9-present
B.E. in Computer Science and Technology

Publications (* indicates equal contribution)

GraTO: Graph Neural Network Framework Tackling Over-Smoothing with Neural Architecture Search.
Xinshun Feng, Herun Wan, Shangbin Feng, Hongrui Wang, Qinghua Zheng, Jun Zhou, and Minnan Luo.
In *Proceedings of CIKM 2022*

Datavoidant: An AI System for Addressing Political Data Voids on Social Media.
Claudia Flores-Saviaga, Shangbin Feng, and Saiph Savage.
In *Proceedings of CSCW 2022*

TwiBot-22: Towards Graph-Based Twitter Bot Detection.
Shangbin Feng*, Zhaoxuan Tan*, Herun Wan*, Ningnan Wang*, Zilong Chen*, Binchi Zhang*, Qinghua Zheng, Wenqian Zhang, Zhenyu Lei, Shujie Yang, Xinshun Feng, Qingyue Zhang, Hongrui Wang, Yuhan Liu, Yuyang Bai, Heng Wang, Zijian Cai, Yanbo Wang, Lijing Zheng, Zihan Ma, Jundong Li, and Minnan Luo.
In *arxiv 2022*

KCD: Knowledge Walks and Textual Cues Enhanced Political Perspective Detection in News Media.
Wenqian Zhang*, Shangbin Feng*, Zilong Chen*, Zhenyu Lei, Jundong Li, and Minnan Luo.
In *Proceedings of NAACL 2022*

Heterogeneity-aware Twitter Bot Detection with Relational Graph Transformers.
Shangbin Feng, Zhaoxuan Tan, Rui Li, and Minnan Luo.
In *Proceedings of AAAI 2022*

Knowledge Graph Augmented Political Perspective Detection in News Media.
Shangbin Feng*, Zilong Chen*, Wenqian Zhang*, Qingyao Li, Qinghua Zheng, Xiaojun Chang, and Minnan Luo.

In *arxiv 2021*

PPSGCN: A Privacy-Preserving Subgraph Sampling Based Distributed GCN Training Method.
Binchi Zhang, Minnan Luo, Shangbin Feng, Ziqi Liu, Jun Zhou, and Qinghua Zheng.
In *arxiv 2021*

Legislator Representation Learning with Social Context and Expert Knowledge.
Shangbin Feng, Zhaoxuan Tan, Zilong Chen, Peisheng Yu, Qinghua Zheng, Xiaojun Chang, and Minnan Luo.
In *arxiv 2021*

BotRGCN: Twitter Bot Detection with Relational Graph Convolutional Networks.
Shangbin Feng, Herun Wan, Ningnan Wang, and Minnan Luo.
In *Proceedings of ASONAM 2021, Short Paper*

TwiBot-20: A Comprehensive Twitter Bot Detection Benchmark.
Shangbin Feng, Herun Wan, Ningnan Wang, Jundong Li, and Minnan Luo.
In *Proceedings of CIKM 2021, Resource Track*

SATAR: A Self-supervised Approach to Twitter Account Representation Learning and its Application in Bot Detection.
Shangbin Feng, Herun Wan, Ningnan Wang, Jundong Li, and Minnan Luo.
In *Proceedings of CIKM 2021, Applied Track*

Honors and Awards

Excellent Undergraduate Dissertation, Xi'an Jiaotong University	2022
Excellent Graduate Student, Xi'an Jiaotong University	2022
People's Daily Online Scholarship, People's Daily Online	2021
SenseTime Scholarship, SenseTime	2021
Meritorious Winner Prize, Mathematical Contest in Modeling	2019
Merit Student, Xi'an Jiaotong University	2019, 2020, 2021

Service

Reviewer for *NeurIPS*, *Datasets and Benchmarks Track*	2022
Reviewer for *ECCV*	2022
Reviewer for *NeurIPS*	2022
Reviewer for *ICML*	2022
Reviewer for *CSCW*	2022
Reviewer for *Social Network Analysis and Mining*	2021, 2022
Founder and Director of the LUD Lab, Xi'an Jiaotong University	2021, 2022