

Haiyang Yu

Ph.D. Student | Department of Computer Science & Engineering
Texas A&M University | Email: haiyang@tamu.edu | Google Scholar

EDUCATION

TEXAS A&M University (TAMU)

August 2020 - Present

Ph.D. in Computer Science Engineering; Advisor: Prof. Shuiwang Ji

University of Science and Technology of China (USTC)

September 2016 - July 2020

B.S. in Electronic and Information Engineering

EXPERIENCE

West China Biomedical Big Data Center, West China Hospital

August 2020 - March 2021

Research Assistant; Advisor: Dr. Kang Li

Chengdu, China

University of Sydney (USYD)

July 2019 - September 2019

Visiting Student; Advisor: Dr. Jing Zhang, Prof. Dacheng Tao

Sydney, Australia

PUBLICATIONS

* indicates equal contribution

Hao Yuan, **Haiyang Yu**, Shurui Gui, Shuiwang Ji. **Explainability in Graph Neural Networks: A Taxonomic Survey**. *IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)*, 2022.

Shuiwang Ji*, Meng Liu*, Liu, Yi*, Youzhi Luo*, Limei Wang*, Yaochen Xie*, Zhao Xu*, **Haiyang Yu***. **Frontiers of Graph Neural Networks with DIG**. *ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (SIGKDD 2022 Hands-on Tutorial)*.

Haiyang Yu*, Limei Wang*, Bokun Wang*, Meng Liu, Tianbao Yang, and Shuiwang Ji. **GraphFM: Improving Large-Scale GNN Training via Feature Momentum**. *International Conference on Machine Learning (ICML 2022)*, 25684–25701.

Meng Liu*, Youzhi Luo*, Limei Wang*, Yaochen Xie*, Hao Yuan*, Shurui Gui*, **Haiyang Yu***, Zhao Xu, Jingtun Zhang, Yi Liu, Keqiang Yan, Haoran Liu, Cong Fu, Bora Oztekin, Xuan Zhang, and Shuiwang Ji. **DIG: A Turnkey Library for Diving into Graph Deep Learning Research**. *Journal of Machine Learning Research (JMLR)*, 22(240): 1-9, 2021.

Hao Yuan, **Haiyang Yu**, Jie Wang, Kang Li, Shuiwang Ji. **On explainability of graph neural networks via subgraph explorations**. *International Conference on Machine Learning (ICML 2021)*, 12241-12252

PREPRINTS

Meng Liu, **Haiyang Yu**, and Shuiwang Ji. **Your Neighbors Are Communicating: Towards Powerful and Scalable Graph Neural Networks**. 2022.

SELECTED AWARDS

ICML Travel Grant

2022

Institute of electronics, Chinese Academy of Science Scholarship

2019

Outstanding Student Scholarship (Golden), USTC

2018

SERVICES | PROGRAM COMMITTEE MEMBER | REVIEWER

International Conference on Machine Learning (**ICML**)

2022

International Conference on Learning Representations (**ICLR**)

2023

Learning on Graphs Conference (**LoG**)

2022

Student volunteer on Knowledge Discovery and Data Mining (**KDD**)

2022

IEEE Transactions on Pattern Analysis and Machine Intelligence (**TPAMI**)