



Yuning You

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EDUCATION

-  **Texas A&M University, College Station** Aug 2019 - Present
Ph.D. Student in Electrical Engineering
Supervisor: Prof. [Yang Shen](#)
-  **Xian Jiaotong University, Xi'an** Aug 2015 - Jun 2019
Bachelor of Engineering in Information Engineering





SELECTED PAPERS

- ICML'21 Long Presentation** [\[link\]](#): “Graph Contrastive Learning Automated”, **Y. You**, T. Chen, Y. Shen, Z. Wang, *International Conference on Machine Learning*.
- NeurIPS'20** [\[link\]](#): “Graph Contrastive Learning with Augmentations”, **Y. You***, T. Chen*, Y. Sui, T. Chen, Z. Wang, Y. Shen, *Conference on Neural Information Processing Systems*. (*equal contribution)
- MLSB'20** [\[link\]](#): “Cross-Modality Protein Embedding for Compound-Protein Affinity and Contact Prediction”, **Y. You**, Y. Shen, *Machine Learning for Structural Biology Workshop, Conference on Neural Information Processing Systems*.

RESEARCH INTERESTS

My research focuses on **graph self-supervised learning** and its application on **drug discovery**.

PROFESSIONAL EXPERIENCE

-  **Applied Scientist Intern** Jun 2021 - Present
Product Semantics Team, Amazon.com Services, Inc., Remote
Supervisor: Dr. [Tong Zhao](#)
Research topics: Fine-grained product network embedding
-  **Graduate Research Assistant** Sep 2020 - Present
Department of Electrical and Computer Engineering at Texas A&M University, College Station
Supervisor: Prof. [Yang Shen](#)
Research topics: Graph machine learning, drug discovery
-  **Voluntary Research Assistant** May 2019 - Aug 2019
Intelligence Science and Systems Lab (iSEE) at Sun Yat-Sen University, Guangzhou
Supervisor: Prof. [Wei-Shi Zheng](#)
Research topics: Graph convolutional network, skeleton-based action recognition
-  **Voluntary Research Assistant** Jul 2018 - Aug 2018
Optical+Biomedical Engineering Laboratory (OBEL) at The University of Western Australia, Perth
Supervisors: Dr. [Karol Karnowski](#), Prof. [Barry Cense](#)
Research topic: Optical coherence tomography

TALKS

- Technical University of Munich, the Learning on Graphs and Geometry Reading Group (LoGaG), online. Aug 2021
- ISMB/ECCB'21, COSI: Structural Bioinformatics and Computational Biophysics (3DSIG), online. [\[video\]](#) Jul 2021
- ICML'21, Session of Semisupervised and Unsupervised Learning, online. [\[video\]](#) Jul 2021

HONORS & AWARDS

Texas A&M University, Dwight Look College of Engineering, Electrical and Computer Engineering
PhD Merit Fellowship. Feb 2019

China Society for Industrial and Applied Mathematics, 1st Prize in Shaanxi at Contemporary Under-
graduate Mathematical Contest in Modeling. Dec 2016

PUBLICATIONS

ICML'21 Long Presentation [\[link\]](#): “Graph Contrastive Learning Automated”, **Y. You**, T. Chen, Y. Shen, Z. Wang, *International Conference on Machine Learning*.

TVT'21 [\[link\]](#): “Probabilistic Constructive Interference Precoding for Imperfect CSIT”, G. Lyu, **Y. You**, A. Li, X. Liao, C. Masouros, *IEEE Transactions on Vehicular Technology*.

KDF'21 Oral [\[link\]](#): “AR-Stock: Deep Augmented Relational Stock Prediction”, T. Wei, **Y. You**, T. Chen, *Knowledge Discovery from Unstructured Data in Financial Services Workshop, Association for the Advancement of Artificial Intelligence Conference*.

MLSB'20 [\[link\]](#): “Cross-Modality Protein Embedding for Compound-Protein Affinity and Contact Prediction”, **Y. You**, Y. Shen, *Machine Learning for Structural Biology Workshop, Conference on Neural Information Processing Systems*.

NeurIPS'20 [\[link\]](#): “Graph Contrastive Learning with Augmentations”, **Y. You***, T. Chen*, Y. Sui, T. Chen, Z. Wang, Y. Shen, *Conference on Neural Information Processing Systems*. (*equal contribution)

ICML'20 [\[link\]](#): “When Does Self-Supervision Helps Graph Convolutional Networks?”, **Y. You***, T. Chen*, Z. Wang, Y. Shen, *International Conference on Machine Learning*. (*equal contribution)

CVPR'20 [\[link\]](#): “L²-GCN: Layer-Wise and Learned Efficient Training of Graph Convolutional Networks”, **Y. You***, T. Chen*, Z. Wang, Y. Shen, *IEEE/CVF Conference on Computer Vision and Pattern Recognition*. (*equal contribution)

arXiv'19 [\[link\]](#): “Sphere Bounding Scheme for Probabilistic Robust Constructive Interference Precoding in MISO Downlink Transmission”, **Y. You**, G. Lyu.

IPAS'18 [\[link\]](#): “An Optimization Approach of Compressive Sensing Recovery Using Split Quadratic Bregman Iteration with Smoothed l0 Norm”, G. Yang, **Y. You**, Z. Lu, J. Yang, Y. Wang, *IEEE International Conference on Image Processing, Applications and Systems*.