



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

- 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)
- 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 & SKILLS

My research focuses in but is not limited to **graph machine learning** and **self-supervised learning**. I can **program** on Python (also MATLAB and C) with **frameworks** PyTorch & Keras.

PROFESSIONAL EXPERIENCE

-  **Applied Scientist Intern** Jun 2021 - Present
Amazon Product Graph Group, Amazon.com Services, Inc., Remote
Supervisor: Dr. [Tong Zhao](#)
Research topics: Knowledge graph (to be determined)
-  **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: Bioinformatics (to be determined)
-  **Voluntary Research Assistant** May 2019 - Aug 2019
Intelligence Science and System 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

PUBLICATION

- 3DSIG'21 Talk** [\[link\]](#): “Cross-Modality and Self-Supervised Protein Embedding for Compound-Protein Affinity and Contact Prediction”, **Y. You**, Y. Shen, *Structural Bioinformatics and Computational Biophysics Workshop, Conference on Intelligent Systems for Molecular Biology / European Conference on Computational Biology*.

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*.

HONORS AND AWARDS

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| Electrical and Computer Engineering PhD Merit Fellowship, Texas A&M University | Feb 2019 |
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| 1 st Prize in Shaanxi at Contemporary Undergraduate Mathematical Contest in Modeling, China Society for Industrial and Applied Mathematics | Dec 2016 |
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