



# Yuning You

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## EDUCATION

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-  **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

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

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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

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-  **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 networks; Skeleton-based action recognition
-  **Voluntary Research Assistant** Sep 2018 - Apr 2019  
State Key Laboratory for Strength and Vibration of Mechanical Structures at Xi'an Jiaotong University, Xi'an  
Supervisors: Dr. [Gangming Lyu](#), Prof. [Guiyan Rong](#)  
Research topics: Robust constructive interference precoding in MISO downlink transmission
-  **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

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- 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**<sup>\*</sup>, T. Chen<sup>\*</sup>, Y. Sui, T. Chen, Z. Wang, Y. Shen, *Conference on Neural Information Processing Systems*.

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

**CVPR’20** [\[link\]](#): “L<sup>2</sup>-GCN: Layer-Wise and Learned Efficient Training of Graph Convolutional Networks”, **Y. You**<sup>\*</sup>, T. Chen<sup>\*</sup>, Z. Wang, Y. Shen, *IEEE/CVF Conference on Computer Vision and Pattern Recognition*.

**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 <sup>st</sup> Prize in Shaanxi at Contemporary Undergraduate Mathematical Contest in Modeling, China Society for Industrial and Applied Mathematics	Dec 2016
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