

YE ZHU

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Homepage

RESEARCH INTERESTS

Computer Vision, Multi-Modal Learning, Vision and Language

EDUCATION

Illinois Institute of Technology, USA Ph.D. student in Computer Science, advised by Prof. Yan Yan. GPA: 4.0/4.0	January 2021 - Present
Texas State University, USA (<i>Transferred</i>) Ph.D. in Computer Science, advised by Prof. Yan Yan. GPA: 4.0/4.0	September 2019 - December 2020
Shanghai Jiao Tong University(SJTU), China M.S. in Mechanical Engineering. GPA: 3.72/4.0	September 2016 - March 2019
Ecole Polytechnique(X), France Exchange Master Student in Engineering.	September 2016 - March 2017
Shanghai Jiao Tong University(SJTU), China B.S. in Mechanical and Automation. GPA: 3.63/4.3	September 2012 - August 2016

PUBLICATIONS

- [1] **Ye Zhu**, Yu Wu, Yi Yang, and Yan Yan. Saying the Unseen: Video Descriptions via Dialog Agents, in IEEE Transactions on Pattern Analysis and Machine Intelligence (**TPAMI**), 2021. *To appear*.
- [2] **Ye Zhu**, Yu Wu, Hugo Latapie, Yi Yang, Yan Yan. Learning Audio-Visual Correlations From Variational Cross-Modal Generations, in IEEE International Conference on Acoustics, Speech and Signal Processing (**ICASSP**), 2021.
- [3] **Ye Zhu**, Yu Wu, Yi Yang, and Yan Yan. Describing Unseen Videos via Multi-Modal Cooperative Dialog Agents, in European Conference on Computer Vision (**ECCV**), 2020.
- [4] **Ye Zhu**, Yan Yan, and Oleg Komogortsev. Hierarchical HMM for Eye Movement Classification, in European Conference on Computer Vision Workshop (**ECCV Workshop**), 2020.
- [5] **Y. Zhu**, S. Shepstone, P. Martínez-Nuevo, et al. Multiview Based 3D Scene Understanding On Partial Point Sets. (arXiv:1812.01712)

EXPERIENCE

Snap Inc., Remote, USA <i>Research intern in Computer Vision, advised by Dr. Kyle Olszewski and Dr. Sergey Tulyakov</i>	May 2021 - Present
Bang & Olufsen, Struer, Denmark <i>Research intern in Computer Vision, advised by Dr. Sven Ewan Shepstone and Dr. Pablo Martinez-Nuevo</i>	July 2018 - December 2018
Robotics Institute, Shanghai Jiao Tong University, China <i>Graduate research assistant</i>	March 2017 - July 2018

SELECTED HONORS AND AWARDS

Merrick Merit Fellowship, Texas State University	2019
First Class Academic Excellence Scholarship for Graduate Students of SJTU	2017 & 2018
Meritorious Winne in Mathematical Contest in Modeling (MCM)	2015
Second Class Academic Excellence Scholarship for Undergraduate Students of SJTU	2015

PROFESSIONAL ACTIVITIES

Teaching Assistant for CS4310 Computer Networks, Texas State University	2019&2020
Teaching Assistant for CS4328 Operating Systems, Texas State University	2020
Reviewer for IEEE Transactions on Multimedia, ACM Multimedia, Neurocomputing.	

PROGRAMMING

Python (Pytorch, Tensorflow), Matlab, C/C++

LINGUISTIC SKILLS AND OTHERS

Chinese(Native)
English (TOEFL iBT 106/120, GRE 322+3/340+6)
French (Professional, DALF C1)
Chinese-French-English Translator for Science Magazine *Science&Vie*