YE ZHU

Google Scholar

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Homepage

RESEARCH INTERESTS

Computer Vision; Multi-Modal Learning; Vision, Audio and Language

EDUCATION

Illinois Institute of Technology, USA   January 2021 - Present
Ph.D. candidate in Computer Science, advised by Prof. Yan Yan.
GPA: 4.0/4.0

Texas State University, USA *(Transferred)*   September 2019 - December 2020
Ph.D. in Computer Science, advised by Prof. Yan Yan.
GPA: 4.0/4.0

Shanghai Jiao Tong University(SJTU), China   September 2016 - March 2019
M.S. in Mechanical Engineering.
GPA: 3.72/4.0

Ecole Polytechnique(X), France   September 2016 - March 2017
Exchange Master Student in Engineering.

Shanghai Jiao Tong University(SJTU), China   September 2012 - August 2016
B.S. in Mechanical and Automation.
GPA: 3.63/4.3

SELECTED PUBLICATIONS

[1] <u>Ye Zhu</u>, Kyle Olszewski, Yu Wu, Panos Achlioptas, Menglei Chai, Yan Yan, and Sergey Tulyakov. Quantized GAN for Complex Music Generation from Dance Videos. (Preprint)

[2] <u>Ye Zhu</u>, 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.

[3] <u>Ye Zhu</u>, 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.

[4] Xiaoguang Zhu, <u>Ye Zhu</u>, Haoyu Wang, Honglin Wen, Yan Yan, Peilin Liu. Skeleton Sequence and RGB Frame Based Multi-Modality Feature Fusion Network for Action Recognition, in Transactions on Multimedia Computing Communications and Applications (**TOMM**), 2021.

[5] <u>Ye Zhu</u>, Yu Wu, Yi Yang, and Yan Yan. Describing Unseen Videos via Multi-Modal Cooperative Dialog Agents, in European Conference on Computer Vision (**ECCV**), 2020.

[6] <u>Ye Zhu</u>, Yan Yan, and Oleg Komogortsev. Hierarchical HMM for Eye Movement Classification, in European Conference on Computer Vision Workshop (**ECCVW**), 2020.

[7] <u>Y. Zhu</u>, S. Shepstone, P. Martínez-Nuevo, et al. Multiview Based 3D Scene Understanding On Partial Point Sets. (arXiv:1812.01712)

EXPERIENCE

Snap Inc., Remote, USA   May 2021 - August 2021
Research intern in Computer Vision, advised by Dr. Kyle Olszewski

· Project: Music generation conditioned on dance videos.

Bang & Olufsen, Struer, Denmark   July 2018 - December 2018
Research intern in Computer Vision, advised by Dr. Sven Ewan Shepstone and Dr. Pablo Martinez-Nuevo

· Project: 3D indoor scene understanding via point clouds.

Robotics Institute, Shanghai Jiao Tong University, China   March 2017 - July 2018
Graduate research assistant

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 CVPR, TMM, ACMM, ICASSP and etc.	

PROGRAMMING

Python (Pytorch), 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*