

Zihui (Sherry) Xue

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<https://zihuixue.github.io>
GITHUB | SCHOLAR

Education	The University of Texas at Austin , Austin, USA Ph.D. in Electrical and Computer Engineering GPA 4.00/4.00, Advisor: Prof. Kristen Grauman	2020 - Present
	Fudan University , Shanghai, China B.E. in Electronic and Information Science and Technology GPA: 3.66/4.00, Elite Engineering Program (top 5%)	2016 - 2020
	University of California, Santa Barbara , Santa Barbara, USA UCEAP Exchange Program GPA: 4.00/4.00, The College of Engineering Dean's Honors List	2018 - 2018
Research Interests	Computer vision and machine learning <i>Video understanding, egocentric (first-person) vision, multimodal learning</i>	
Research & Internship Experiences	The University of Texas at Austin Research Assistant to Prof. Kristen Grauman	Austin, USA Sep. 2022 - Present
	FAIR, Meta AI Visiting Student Researcher	Austin, USA Jan. 2023 - Present
	FAIR, Meta AI Research Intern to Lorenzo Torresani	New York, USA May 2022 - Dec. 2022
	The University of Texas at Austin Research Assistant to Prof. Radu Marculescu	Austin, USA Sep. 2021 - May 2022
	Shanghai Qi Zhi Institute Research Assistant to Prof. Hang Zhao	Shanghai, China Aug. 2020 - Aug. 2021
	Fudan University Research Assistant to Prof. Yuedong Xu	Shanghai, China Apr. 2018 - Jun. 2020
	University of California, Santa Barbara Research Assistant to Prof. Zheng Zhang	Santa Barbara, USA Dec. 2018 - Aug. 2019
Publications	Put Myself in Your Shoes: Lifting the Egocentric Perspective from Exo-centric Videos <i>ArXiv, 2024</i> Mi Luo, Zihui Xue , Alex Dimakis, Kristen Grauman	
	Learning Object State Changes in Videos: An Open-World Perspective <i>CVPR, 2024</i> Zihui Xue , Kumar Ashutosh, Kristen Grauman	

Detours for Navigating Instructional Videos

CVPR, 2024 (Highlight)

Kumar Ashutosh, **Zihui Xue**, Tushar Nagarajan, Kristen Grauman

Ego-exo4d: Understanding skilled human activity from first-and third-person perspectives

CVPR, 2024 (Oral)

Kristen Grauman, Andrew Westbury, Lorenzo Torresani, Kris Kitani, Jitendra Malik, ..., **Zihui Xue**, et al.

Learning Fine-grained View-Invariant Representations from Unpaired Ego-Exo Videos via Temporal Alignment

NeurIPS, 2023

Zihui Xue, Kristen Grauman

Egocentric Video Task Translation

CVPR, 2023 (Highlight)

Zihui Xue, Yale Song, Kristen Grauman, Lorenzo Torresani

The Modality Focusing Hypothesis: Towards Understanding Crossmodal Knowledge Distillation

ICLR, 2023 (Oral)

Zihui Xue*, Zhengqi Gao*, Sucheng Ren*, Hang Zhao

Dynamic Multimodal Fusion

CVPR MULA Workshop, 2023

Zihui Xue, Radu Marculescu

SUGAR: Efficient Subgraph-level Training via Resource-aware Graph Partitioning

IEEE Transactions on Computers, 2023

Zihui Xue, Yuedong Yang, Radu Marculescu

Anytime Depth Estimation with Limited Sensing and Computation Capabilities on Mobile Devices

CoRL, 2022

Yuedong Yang, **Zihui Xue**, Radu Marculescu

Co-advise: Cross Inductive Bias Distillation

CVPR, 2022

Sucheng Ren, Zhengqi Gao, Tianyu Hua, **Zihui Xue**, Yonglong Tian, Shengfeng He, Hang Zhao

What makes multi-modal learning better than single (provably)

NeurIPS, 2021

Yu Huang*, Chenzhuang Du*, **Zihui Xue**, Xuanyao Chen, Hang Zhao, Longbo Huang

On Feature Decorrelation in Self-Supervised learning

ICCV, 2021 (Oral)

Tianyu Hua*, Wenxiao Wang*, **Zihui Xue**, Sucheng Ren, Yue Wang, Hang Zhao

Multimodal Knowledge Expansion

ICCV, 2021

Zihui Xue, Sucheng Ren, Zhengqi Gao, Hang Zhao

Sampling graphlets of multiplex networks: a restricted random walk approach

ACM Transactions on the Web, 2021

Simiao Jiao, **Zihui Xue**, Xiaowei Chen, Yuedong Xu

**Professional
Service**

Journal Reviewer:

- IEEE Transactions on Pattern Analysis and Machine Intelligence
- IEEE Transactions on Multimedia
- International Journal of Computer Vision

Conference Reviewer: CVPR, ECCV, ICCV, ICML, NeurIPS, ICLR, CoRL

**Honors &
Awards**

1st Place in Talking-To-Me & 3rd Place in PNR Keyframe Localization, Ego4D ECCV
23 Challenge 2023
Second Prize of the Scholarship for Outstanding Student, Fudan University 2020
Nation Second Prize in China Undergraduate Mathematical Contest in Modeling 2018
Ranked 8/2115 (first round) and 13/2116 (second round) in Alibaba Global Scheduling
Algorithm 2018
Tung OOCL Scholarship (the First Prize), Fudan university 2018
Third Prize of the Scholarship for Outstanding Students, Fudan University 2017