

Joya Chen

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BACKGROUND

National University of Singapore (NUS)

Aug. 2021 -

- Ph.D. student in Dept. of Electr. & Comput. Eng. (Aug. 2022 -) - Supervisor: Prof. Mike Shou
- RA in Dept. of Electr. & Comput. Eng. (Feb. 2022 - Jul. 2022) - Supervisor: Prof. Mike Shou
- RA in Dept. of Comput. Sci. (Aug. 2021 - Jan. 2022) - Supervisor: Prof. Angela Yao

University of Science and Technology of China (USTC)

Sept. 2018 - Jun. 2021

- Master of Computer Science in Sch. of Comput. Sci. and Tech. - Supervisor: Vice Dean, Prof. Enhong Chen

Wuhan University of Technology (WUT)

Sept. 2014 - Jun. 2018

- Bachelor of Vehicle Engineering, Sch. of Auto. Eng. - Supervisor: Prof. Jianguo Liu

PUBLICATIONS

- Benita Wong*, **Joya Chen***, You Wu*, Stan Weixian Lei, Dongxing Mao, Difei Gao, Mike Zheng Shou. AssistQ: Affordance-centric Question-driven Task Completion for Egocentric Assistant. Accepted by *ECCV 2022*. * Equal contribution. [Paper] [Page] [Code] [Challenge@CVPR'22]
- **Joya Chen***, Kai Xu*, Yifei Cheng, Angela Yao. DropIT: Dropping Intermediate Tensors for Memory-Efficient DNN Training. *arXiv Preprint*, 2022. * Equal contribution. [Paper] [Code]
- **Joya Chen**, Dong Liu, Tong Xu, Shiwei Wu, Yifei Cheng, Enhong Chen. Is Heuristic Sampling Necessary in Training Deep Object Detectors? *IEEE Transactions on Image Processing*, 2021. [Paper] [Code]
- Shiwei Wu, **Joya Chen**, Tong Xu, Liyi Chen, Lingfei Wu, Yao Hu, Enhong Chen. Linking the Characters: Video-oriented Social Graph Generation via Hierarchical-cumulative GCN. In *ACM MM 2021* (Oral). [Paper]
- **Joya Chen**, Dong Liu, Bin Luo, Xuezheng Peng, Tong Xu, Enhong Chen. Residual Objectness for Imbalance Reduction. *Pattern Recognition*, 2022. [Paper]
- Qi Wu*, **Joya Chen***, Zhou Xu, ZhiMing Yao, Xianjun Yang. Capturing Implicit Spatial Cues for Monocular 3D Hand Reconstruction. In *ICME 2021* (Oral). * Equal contribution. [Paper] [Code]
- **Joya Chen**, Hao Du, Yufei Wu, Tong Xu, Enhong Chen. Cross-Modal Video Moment Retrieval Based on Visual-Textual Relationship Alignment. *SCIENTIA SINICA Informationis*, 2020 (in Chinese). [Paper]
- **Joya Chen**, Qi Wu, Dong Liu, Tong Xu. Foreground-Background Imbalance Problem in Deep Object Detectors: A Review. In *MIPR 2020*. [Paper]
- **Joya Chen**, Bin Luo, Qi Wu, Jia Chen, Xuezheng Peng. Overlap Sampler for Region-Based Object Detection. In *WACV 2020*. [Paper] [Code]

AWARDS

- Provincial Excellent Master's Thesis in Computer Science Dec. 2021
- **1st** in HO-3D Leaderboard in Mesh Error/AUC and F@15mm metrics Dec. 2020
- KDD CUP 2019 Regular ML Track, PaddlePaddle Special Award (**2nd**, \$4,000) Aug. 2019
- Kaggle Competition on Human Protein Image Classification, Gold Medal (Top 0.5%) Jan. 2019
- **1st** in PASCAL VOC Object Detection Competition 3 Leaderboard Sep. 2018
- Outstanding Graduate of Wuhan University of Technology Jun. 2018
- **1st** in the National Postgraduate Entrance Examination (USTC CS, 1/300+) Mar. 2018