

Yao Teng

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Education

Sept. 2020 - Present	M.Sc. in Computer Science and Technology , Nanjing University (NJU) M.Sc. in MCG Lab , Supervisor: Prof. Limin Wang	Nanjing, China
Sept. 2016 - July. 2020	B.S. in Software Engineering , Xidian University (XDU) GPA : 3.7/4.0	Shaanxi, China

Research Interests

Computer Vision : detection, scene understanding

Publications

- > Liang Zhao*, **Yao Teng***, Limin Wang. Logit Normalization for Long-tail Object Detection. Under review, 2022.
- > **Yao Teng**, Limin Wang. Structured Sparse R-CNN for Direct Scene Graph Generation, in IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2022.
- > **Yao Teng**, Limin Wang, Zhifeng Li, Gangshan Wu. Target Adaptive Context Aggregation for Video Scene Graph Generation, in IEEE International Conference on Computer Vision (ICCV), 2021.

Honors & Awards

2021	National Scholarship for Postgraduates	Nanjing University
2021	Pacemaker to Outstanding Graduate Student	Nanjing University
2021	1st Award , Scholarship for Postgraduate Students	Nanjing University
2020	3rd Award , Scholarship for Graduation	Xidian University
2019	Silver Medal , The 2019 ICPC China Shaanxi Provincial Programming Contest	Xidian University
2018	Honorable Mention , The 2018 ACM-ICPC Asia Regional Contest Jiaozuo Site	Xidian University
2018	Rank 94/9500 , IEEEExtreme 12.0 Programming Competition	Xidian University
2018	Bronze Medal , The 2018 ACM-ICPC China Invitational Contest Xi'an Site	Xidian University
2018	Honorable Mention , Mathematical Contest In Modeling	Xidian University
2017-2018	2nd Award , University Scholarship	Xidian University
2016-2017	2nd Award , University Scholarship	Xidian University
2017	2nd Award , The Chinese Mathematics Competitions (non-mathematics major) Shaanxi Site	Xidian University

Skills

Programming Skills : Python, \LaTeX , C/C++, Matlab, Java.
Languages : Mandarin, English (CET-4 : 574, CET-6 : 500).

Projects & Experiences

2021.7 - 2022.3	Logit Normalization for Long-tail Object Detection , NJU , Advisor : Prof. Limin Wang <ul style="list-style-type: none">> As a co-author, together with my group member, I present a simple and efficient module for long-tail object detection, namely <i>Logit Normalization</i> (LogN).> LogN adjusts the logits for classification in a similar way to batch normalization.> LogN achieves state-of-the-art performance on Lvis dataset. <p>Long-tail Object Detection 2D Image Normalization</p>
2020.12 - 2022.1	Structured Sparse R-CNN for Direct Scene Graph Generation , NJU , Advisor : Prof. Limin Wang <ul style="list-style-type: none">> As the first author, I present a simple, sparse, and unified framework based on a variant of Transformer, namely <i>Structured Sparse R-CNN</i>, for the task of scene graph generation on 2D images.> <i>Structured Sparse R-CNN</i> acts as an end-to-end one-stage detector to directly predict the basic elements of the scene graph—objects and pairwise relations.> <i>Structured Sparse R-CNN</i> achieves state-of-the-art performance on several datasets : Visual Genome, OpenImage V4 and OpenImage V6. <p>Scene Graph Generation 2D Image Transformer</p>

2020.7 - 2021.6

Target Adaptive Context Aggregation for Video Scene Graph Generation, NJU , Advisor : [Prof. Limin](#)

[Wang](#)

- > As the first author, I present a new detect-to-track paradigm for video scene graph generation, termed as *Target Adaptive Context Aggregation Network* (TRACE).
- > TRACE decouples the context modeling for relation prediction from the complicated low-level object tracking.
- > TRACE achieves state-of-the-art performance on two datasets : Action Genome and Video Visual Relation Detection.

[Scene Graph Generation](#) [Video](#) [Action](#)