

Zhengyuan Yang

CONTACT INFORMATION	Department of Computer Science, University of Rochester Rochester, NY 14627 Website: http://cs.rochester.edu/u/zyang39/	585-435-3638 zyang39@cs.rochester.edu
RESEARCH INTERESTS	My current major research interest is language-based visual content search and localization. My previous works mainly fall into the categories of vision+language and human-centered visual understanding, such as visual grounding by language in images and videos, human action recognition and parsing. Previous studies also include general video analyses such as emotion recognition, camera-based self-driving vehicles, etc.	
EDUCATION	University of Rochester , Rochester, NY Ph.D., Computer Science , <i>Expected</i> : Summer 2021 GPA: 3.94/4.0 <ul style="list-style-type: none">• Advisors: Prof. Jiebo Luo University of Science and Technology of China , Hefei, China B.E., School of Electronic Engineering and Information Science (1206), June 2016 GPA: 3.93/4.3 (ranked 9/290)	
EXPERIENCE	Research Assistant Aug 2016 to present University of Rochester, Rochester, NY Advisor: Prof. Jiebo Luo	
	Research Intern Jan 2019 to Apr 2019 Tencent AI Lab in Bellevue, WA Supervisor: Dr. Boqing Gong, Dr. Liwei Wang Visual Grounding with Natural Language Quires	
	Research Intern May 2018 to Aug 2018 SnapChat Research in Venice, CA Supervisor: Dr. Yuncheng Li, Dr. Linjie Yang and Dr. Ning Zhang Weakly-supervised Human Part Parsing	
	Research Intern May 2017 to Aug 2017 SAIC USA in San Jose, CA Supervisor: Dr. Jerry Yu E2E Self Driving. Best Industry Related Paper Award (BIRPA) in ICPR 2018.	
PUBLICATIONS	<ol style="list-style-type: none">1. Zhengyuan Yang, Boqing Gong, Liwei Wang, Wenbing Huang, Dong Yu, Jiebo Luo, "A Fast and Accurate One-Stage Approach to Visual Grounding," <i>International Conference on Computer Vision (ICCV)</i>, 2019. (oral presentation).2. Zhengyuan Yang, Tushar Kumar, Jiebo Luo, "Revisiting Tracking by Language," <i>in review</i>.3. Mengshi Qi, Weijian Li, Zhengyuan Yang, Yunhong Wang, Jiebo Luo, "Attentive Relational Networks for Mapping Images to Scene Graphs," <i>IEEE Conference on Computer Vision and Pattern Recognition (CVPR)</i>, 2019.	

4. **Zhengyuan Yang**, Yuncheng Li, Linjie Yang, Ning Zhang, Jiebo Luo, "Weakly Supervised Body Part Parsing with Pose based Part Priors," *in review*.
5. **Zhengyuan Yang**, Yixuan Zhang, Jiebo Luo, 'Human-Centered Emotion Recognition in Animated GIFs with Facial Landmarks,' *IEEE International Conference on Multimedia and Expo (ICME)*, 2019.
6. **Zhengyuan Yang**, Yuncheng Li, Jianchao Yang, Jiebo Luo, 'Action Recognition with Spatio-Temporal Visual Attention on Skeleton Image Sequences,' *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, 2018.
7. **Zhengyuan Yang**, Yixuan Zhang, Jerry Yu, Junjie Cai, Jiebo Luo, 'End-to-end Multi-Modal Multi-Task Vehicle Control for Self-Driving Cars with Visual Perceptions,' *International Conference on Pattern Recognition (ICPR)*, 2018. (oral presentation) **Best Industry Related Paper Award (BIRPA)**
8. **Zhengyuan Yang**, Yuncheng Li, Jianchao Yang, Jiebo Luo, 'Action Recognition with Visual Attention on Skeleton Images,' *International Conference on Pattern Recognition (ICPR)*, August 2018. (oral presentation)
9. **Zhengyuan Yang**, Amanda Kay, Yuncheng Li, Wendi Cross, Jiebo Luo, "Pose-based Body Language Recognition for Emotion and Psychiatric Symptom Interpretation," *in review*.
10. **Zhengyuan Yang**, Wendi Cross, Jiebo Luo, 'Personalized pose estimation for body language understanding,' *International Conference on Image Processing (ICIP)*, 2017. (oral presentation)

AWARDS	Best Industry Related Paper Award (BIRPA) in ICPR 2018, (1/1258)	2018
	National Scholarship, <i>Top 3%</i>	2014
	Huayu Scholarship, <i>Top 3%</i>	2015
	Elite Class of Information Science Scholarship	2015
SERVICE	Reviewer: IEEE TCSVT, Pattern Recognition, IEEE Access, CVPR 2020, ICIP 2018, 2019, ICME 2018	
REFERENCES	Prof. Jiebo Luo , Professor, University of Rochester, jl原因@cs.rochester.edu Dr. Boqing Gong , Research Scientist, Google, BoqingGo@outlook.com Dr. Yuncheng Li , Research Scientist, Google, raingomm@gmail.com Dr. Jerry Yu , Deputy Director, SAIC USA, jyu@saicusa.com	