

JINKUN CAO

Email: jinkuncao@gmail.com / jinkunc@andrew.cmu.edu
Homepage: www.jinkuncao.com (not always up-to-date)

EDUCATION	Carnegie Mellon University , <i>Robotics Ph.D.</i> 2020 - Advisor: Prof. Kris Kitani Research Area: Computer Vision and Robotics
	Shanghai Jiao Tong University , <i>B.Eng</i> 2016 - 2020
PUBLICATION	<i>DanceTrack: Multi-Object Tracking in Uniform Appearance and Diverse Motion</i> [paper] [CVPR] 2022 Peize Sun*, Jinkun Cao* , Yi Jiang, Zehuan Yuan, Song Bai, Kris Kitani, Ping Luo
	<i>Instance-Aware Predictive Navigation in Multi-Agent Environments</i> [paper] [ICRA] 2021 Jinkun Cao , Xin Wang, Trevor Darrell, Fisher Yu
	<i>Attribute Restoration Framework for Anomaly Detection</i> [paper] [Trans on Multimedia] 2020 Chaoqing Huang*, Fei Ye*, Jinkun Cao , Maosen Li, Ya Zhang, and Cewu Lu
	<i>Cross-Domain Adaptation for Animal Pose Estimation</i> [paper] [ICCV(Oral)] 2019 Jinkun Cao , Hongyang Tang, Hao-Shu Fang, Xiaoyong Shen, Cewu Lu, Yu-Wing Tai
	<i>Pairwise Body-Part Attention for Recognizing Human-Object Interactions</i> [paper] [ECCV] 2018 Hao-Shu Fang, Jinkun Cao , Yu-Wing Tai, Cewu Lu
MANUSCRIPTS IN SUBMISSION	<i>Observation-Centric SORT: Rethinking SORT for Robust Multi-Object Tracking</i> [paper] Jinkun Cao , Xinshuo Weng, Rawal Khirodkar, Jiangmiao Pang, Kris Kitani
	<i>TransTrack: Multiple-Object Tracking with Transformer</i> [paper] Peize Sun, Jinkun Cao , Yi Jiang, Rufeng Zhang, Enze Xie, Zehuan Yuan, Ping Luo
	<i>An Empirical Study of Disentanglement for Contrastive Learning without Negatives</i> Jinkun Cao , Ruiqian Nai, Qing Yang, Jialei Huang, Yang Gao <u>manuscript available upon required.</u>
RESEARCH EXPERIENCE	Canergie Mellon Univeristy , <i>Graduate Research Assistant</i> 2020.9 - present with Prof. Kris Kitani on <i>video object tracking</i>
	AI Lab, Bytedance , <i>Research Intern</i> 2020.5 - 2020.8 with Dr. Yuning Jiang and Dr. Hao Wu on <i>video analysis and understanding</i>
	Berkeley Artificial Intelligence Research , <i>Visiting Student</i> 2019.7 - 2019.12 with Prof. Trevor Darrell and Prof. Fisher Yu on <i>pose estimation</i>
	YouTu X-Lab, Tencent Inc. , <i>Research Intern</i> 2018.7 - 2018.9 with Dr. Xiaoyong Shen and Prof. Yu-Wing Tai on <i>domain adaptation</i>
	Machine Vision and Intelligence Group, SJTU , <i>Research Assistant</i> 2016.9 - 2020.6 with Prof. Cewu Lu on <i>pose estimation and action recognition</i>
SCHOLARSHIP	CMU Graduate Fellowship , 2020
	Yuan-Qing Yang Foundation Scholarship , 2020
	MengJiaChenYue Scholarship , 2019
	Oversea Visiting Funding Scholarship , 2019
	National Scholarship , 2019
	SenseTime Scholarship (30 students selected from across China), 2018
	A-Class Academic Excellence Scholarship (top 1% in SJTU), 2018
	B-Class Academic Excellence Scholarship (top 10% in SJTU), 2017, 2019
SJTU Merit Student , 2017, 2018	
National Scholarship for Encouragement , 2017, 2018	

* = equal contribution

SJTU-Wish Scholarship (top 5% in SEIEE, SJTU),
SJTU-Adrian Scholarship,

2017
2016

SERVICES

Reviewer

RA-L'2021,2022, ICRA '2021,2022, CVPR'2022, ICML'2022, ECCV'2022, NeurIPS'2022

Workshop Organizer

“Multiple Object Tracking in Complex Environments Workshop” in ECCV'2022 [\[link\]](#)

SKILLS

I write in python, and occasionally C++, C, Matlab and even Lua.
I speak Chinese as a native, English fairly and a little French.