$\underset{\rm Github:\ https://lawrence-cj.github.io/}{Junsong Chen}$

Education

Education	
The University of Hong Kong (HKU) Research Assistance - Computer Science	Hong Kong, China April 2023 - Present
Research Interests: visual AIGC, Large Language Model, Navigation and autonomous driving	1
Dalian University of Technology	Dalian, China
Master and Ph.D. Candidate - Information and Communication Engineering Research Interests: Video object tracking and segmentation. Expected Graduation: June 2027	July 2021 - Present
Dalian University of Technology Bachelor - Mechanical Engineering	Dalian, China Sep. 2017 – July 2021
PUBLICATIONS	
 PixArt-Σ: Weak-to-Strong Training of Diffusion Transformer for 4K Text-to-Imag Junsong Chen*, Chongjian Ge*, Enze Xie*†, Yue Wu*, Lewei Yao, Xiaozhe Ren, Zhongdao Zhenguo Li In submission 	
PixArt-α: Fast Training of Diffusion Transformer for Photorealistic Text-to-Image Junsong Chen*, Jincheng Yu*, Chongjian Ge*, Lewei Yao*, Enze Xie†, Yue Wu, Zhongdao W Huchuan Lu, Zhenguo Li Spotlight Accepted, ICLR 2024	
MetaBEV: Solving Sensor Failures for BEV Detection and Map Segmentation: Chongjian Ge [*] , Junsong Chen [*] , Enze Xie [*] , Lanqing Hong, Zhongdao Wang, huchuan Lu, P. International Conference on Computer Vision (ICCV), 2023	ing Luo
ARKitTrack: A New Diverse Dataset for Tracking Using Mobile RGB-D Data: Haojie Zhao [*] , Junsong Chen [*] , Lijun Wang, Huchuan Lu IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2023	
Honors and Awards	
Outstanding graduates of the Province, 2020-2021	
• National scholarship, 2018-2019	
Experience	
Noah's Ark Lab, Huawei Research Intern	Shenzhen, China Nov. 2022 - Present
 Work Duty: Conduct researches related to 2D/3D AIGC foundation model and Large l Project Details: I am currently working on efficient training of the Text-to-Image found 	,
Honor Device Co. Ltd School-enterprise cooperation project	Beijing, China Oct. 2021 - Nov. 2022
• Work Duty: Conducting research on methods, determining technological routes, innova baseline accuracy.	ting algorithms to improve
• Project Targets : To achieve the objective of unifying object detection and tracking on object detection and ReID algorithms and multi-task techniques are utilized. By using the inference can accomplish both person detection and feature extraction for ReID.	· · ·
Meitu, Inc	Xiamen, China
School-enterprise cooperation project	Sep. 2021 - Mar. 2022
 Work Duty: Conducting research on methodology, determining the technical approach, improve baseline accuracy, and debugging models on mobile phone. Project Output: By abandoning the use of large-scale networks and optical flow as aux 	
performance was achieved using only a lightweight network that can be deployed. Our ap model running on mobile phones while maintaining precision without loss and successfu	proach allows for real-time
Hangzhou Research Institute, Huawei School-enterprise cooperation project	Hangzhou, China Oct. 2020 - Aug. 2021
 Work Duty: Conducting research on methods, determining technological routes, innova baseline accuracy. 	0
 Project Output: The innovation in algorithm implementation methods, as well as the i performance, including detection, tracking and ReID, have been successfully applied t cameras in Hangzhou's smart city project. 	
Skills	

Programming Languages: Python