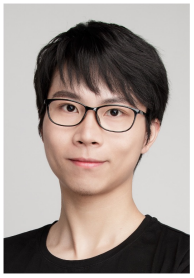
Xiang Li *Curriculum Vitae*

Basic Information (https://implus.github.io/)



Xiang Li, an Associate Professor and Doctoral Supervisor at Nankai University, is a recipient of the Nankai BaiQing Young Talent Award and the May Fourth Youth Medal. He was selected for the Postdoctoral Innovative Talent Support Program (Class A) and has received honors including the CCF Outstanding Doctoral Dissertation Award Nomination, the Wu Wenjun AI Excellent Young Scientist Award, and is recognized as a Stanford Top 2% Scientist globally. He has published over 50 papers in CCF-A tier conferences and journals, with over 21,000 Google Scholar citations. Two of his first-author papers have garnered approximately 3,600 and 1,900 citations respectively. His related work has been actively followed by the team of Professor Hinton, a Nobel Laureate in Physics and Turing Award recipient, and has become a standard component in the mainstream lightweight object detector YOLO series. He also received the CVMJ Annual Best Paper Nomination Award, CVPR workshop Best Paper Award.

Publications

Representative Papers: (21,000+ Google Scholar citations with 38 h-index)

X. Li, C. Lv, W. Wang, et al. *Generalized focal loss: Towards efficient representation learning for dense object detection*, in TPAMI, 2023.

X. Li, W. Wang, X. Hu, et al. *Selective Kernel Networks*, in CVPR, 2019.

X. Li, S. Chen, X. Hu, et al. *Understanding the Disharmony between Dropout and Batch Normalization by Variance Shift*, in CVPR, 2019.

X. Li, S. Chen, J. Yang. *Understanding the Disharmony between Weight Normalization Family and Weight Decay*, in AAAI, 2020.

X. Li, W. Wang, L. Wu, et al. *Generalized Focal Loss: Learning Qualified and Distributed Bounding Boxes for Dense Object Detection*, in NeurIPS, 2020.

X. Li, W. Wang, X. Hu, et al. *Generalized Focal Loss V2: Learning Reliable Localization Quality Estimation for Dense Object Detection*, in CVPR, 2021.

X. Li, T. Qin, J. Yang, et al. *LightRNN: Memory and Computation-efficient Recurrent Neural Networks*, in NeurIPS, 2016.

X. Li, J. Li, X. Hu, et al. *Line-cnn: End-to-end Traffic Line Detection with Line Proposal Unit*, in TITS, 2021.

X. Li, S. Qian, F. Peng, et al. *Deep Convolutional Neural Network and Multi-view Stacking Ensemble in Ali Mobile Recommendation Algorithm Competition: The Solution to the Winning of Ali Mobile Recommendation Algorithm*, in ICDMW, 2015.

W. Wang, **X. Li**, T. Lu, et al. *Mixed Link Networks*, in IJCAI, 2018.

L. Hui, **X. Li**, C. Gong, et al. *Inter-class Angular Loss for Convolutional Neural Networks*, in AAAI, 2019.

J. Wang, **X. Li**, J. Yang. *Stacked Conditional Generative Adversarial Networks for Jointly Learning Shadow Detection and Shadow Removal*, in CVPR, 2018.

W. Wang, E. Xie, **X. Li**, et al. *Shape Robust Text Detection with Progressive Scale Expansion Network*. in CVPR, 2019.

W. Wang, E. Xie, **X. Li**, et al. *PAN++: Towards Efficient and Accurate End-to-End Spotting of Arbitrarily-Shaped Text*, in TPAMI, 2021.

W. Wang, E. Xie, **X. Li**, et al. *Pyramid Vision Transformer: A Versatile Backbone for Dense Prediction without Convolutions*, in ICCV, 2021.

Y. Li, Q. Hou, ..., **X. Li***. *Large Selective Kernel Network for Remote Sensing Object Detection*, in ICCV, 2023.

Major Honors & Awards

2025 CVPR Workshop Best Paper Award

2023 2023 WuWenJun AI Excellent Young Scientist Award, (15 in China)

2022 Outstanding Doctoral Dissertation Award Nomination, China Computer Federation (14 in China, link)

2020 Second place of 2020 Zhengtu Cup's first AI competition, namely the industrial defect detection algorithm, **150,000 RMB bonus (2nd from 900 teams)**

2016 Champion of 2016 Didi Tech Di-Tech's first big data competition, namely the travel demand prediction algorithm, **100,000 US dollars bonus (1st from 7664 team)**

2015 Champion of 2015 Alibaba Tianchi's first big data competition, namely Ali mobile recommendation algorithm, **300,000 RMB bonus (1st from 7186 team)**

Professional Activities

Area Chair: ICLR 2025-2026

Editorial Board: Image and Vision Computing (IVC), since 2023; Visual Intelligence (VI), since 2025

November 6, 2025