

KEYU LI

Email: likeyuchn@gmail.com · Homepage: <https://keyuli.github.io>

EDUCATION

Xidian University, Shaanxi, China Sep. 2020 – June. 2023

Master in Electronic and Information Engineering, supervised by Prof. Nannan Wang.

Xidian University, Shaanxi, China Sep. 2016 – June. 2020

B.S. in Communication Engineering.

RESEARCH INTEREST

Autonomous Driving Perception & 3D Object Detection and Tracking

Binary Neural Networks & Single Image Super-Resolution

EXPERIENCE

Shanghai AI Laboratory, Shanghai, China June. 2022 - Feb. 2023

Research Intern, supervised by Li Chen and Dr. Hongyang Li

Worked on end-to-end perception&decision model in autonomous driving.

Megvii Limited, Beijing, China July. 2021 - June. 2022

Research Intern

Worked on lidar-based object detection&tracking, and camera-only 3D object detection.

PUBLICATIONS

(* Equal contribution, # Corresponding authors)

[J1] **K. Li**, N. Wang#, et al. Local Means Binary Networks for Image Super-Resolution[J]. IEEE Transactions on Neural Networks and Learning Systems (TNNLS). 2022.

[J2] X. Jiang, N. Wang#, J. Xin, **K. Li**, et al. Toward Pixel-Level Precision for Binary Super-Resolution With Mixed Binary Representation[J]. IEEE Transactions on Neural Networks and Learning Systems (TNNLS). 2022.

[C3] Y. Hu*, J. Yang*, L. Chen*#, **K. Li***, ..., H. Li#, et al. Planning-oriented Autonomous Driving[C] // Proceedings of IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR, CCF-A). 2023. (Best Paper Award)

[C4] **K. Li**, N. Wang#, et al. Feature Space based Loss for Face Photo-Sketch Synthesis [C] // Chinese Conference on Pattern Recognition and Computer Vision (PRCV, CCF-C). 2020. (Oral)

[C5] X. Jiang, N. Wang#, J. Xin, **K. Li**, et al. Training Binary Neural Network without Batch Normalization for Image Super-Resolution[C] // Proceedings of the AAAI Conference on Artificial Intelligence (AAAI, CCF-A). 2021.

HONORS AND AWARDS

CVPR 2023 Best Paper Award June. 2023

Outstanding Master Thesis Award, Xidian University June. 2023

Outstanding Graduate Special Scholarship, Xidian University Sep. 2020

ACADEMIC SERVICE

Program Committee Member/Conference Reviewer

- IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2023
- IEEE/CVF International Conference on Computer Vision (ICCV), 2023
- CAAI International Conference on Artificial Intelligence (CICAI), 2021, 2022