

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 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