

EDUCATION

- **Shanghai Jiao Tong University** Shanghai, China
B.S in Artificial Intelligence; Guozhi Class; GPA: 3.56
Sep. 2021 – Current
- **TOEFL**: 106 (R:29, L:28, S:22, W:27)

EXPERIENCE

- **PKU-Agibot Lab** Beijing, China
Research Intern
March 2024 - Present
 - **Robotics, Robot Learning**: VLA and Interaction-oriented representation learning for robot manipulation.
- **OpenDriveLab** Shanghai, China
Research Intern
March 2023 - Present
 - **Robotics, Robot Learning**: Interaction-oriented representation learning for robot manipulation.
 - **End-to-End Autonomous Driving**: propose a new map learning paradigm that seamlessly incorporates both map geometry and topology information for online mapping.
 - **OpenLane-V2**: The World's First Perception and Reasoning Benchmark for Scene Structure in Autonomous Driving. CVPR 2023 AD Challenge, Track 1: OpenLane Topology
- **ReThinkLab, SJTU** Shanghai, China
Research Undergrad.
Nov 2022 - May 2023
 - **Image Matching and Retrieval**: Supervised by Prof.Junchi Yan, I worked on the topic of image retrieval, looking for improvement on DOLG and DELG, and introduced related methods to Graph Matching.

PUBLICATIONS

- **MPI**: Learning Manipulation by Predicting Interaction
Jia Zeng, Qingwen Bu*, **Bangjun Wang***, Wenke Xia*, Li Chen, Hao Dong, Haoming Song, Dong Wang, Di Hu, Ping Luo, Heming Cui, Bin Zhao, Xuelong Li, Yu Qiao, Hongyang Li*
Accepted by RSS 2024.
- **LaneSegNet**: Map Learning with Lane Segment Perception for Autonomous Driving
Tianyu Li, Peijin Jia*, **Bangjun Wang***, Li Chen, Kun Jiang, Junchi Yan, Hongyang Li*
ICLR 2024. Paper. Code
- **OpenLane-V2**: A Topology Reasoning Benchmark for Scene Understanding in Autonomous Driving
*H.Wang, T.Li, Y.Li, L.Chen, C.Sima, Z.Liu, **Bangjun Wang**, P.Jia, Y.Wang, S.Jiang, F.Wen, H.Xu, Ping Luo, Junchi Yan, Wei Zhang, Hongyang Li*
NeurIPS 2023. Paper. Project

PROFESSIONAL SERVICE

- **Reviewer**: CVPR 2024
- **Session Secretary**: RACV 2024 held by CCF-CV

PROGRAMMING SKILLS

- **Languages**: Python, C++, CSS, HTML, Node.js, \LaTeX , Markdown
- **Framework**: PyTorch, MMCV, MMDet, Hydra, W&B, Anaconda
- **Platform**: Robohive, Issac Sim/Gym