

Bangjun Wang

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EDUCATION

- **Shanghai Jiao Tong University** Shanghai, China
B.S in Artificial Intelligence; Guozhi Class; GPA: 3.62
Sep. 2021 – Current
- **TOEFL**: 106 (R:29, L:28, S:22, W:27)

PUBLICATIONS

- **RoboVerse**: Towards a Unified Platform, Dataset and Benchmark for Scalable and Generalizable Robot Learning (**Co-First Author**)
Co-guided by Prof. Yue Wang, Prof. Jitendra Malik, and Prof. Pieter Abbeel
RSS 2025. Paper. Code
- **MPI**: Learning Manipulation by Predicting Interaction (**Co-First Author**)
J.Zeng, Q.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*
RSS 2024. Paper. Code
- **LaneSegNet**: Map Learning with Lane Segment Perception for Autonomous Driving (**Co-First Author**)
T.Li, P.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. Code

EXPERIENCE

- **University of Southern California, Visiting Student** Los Angeles, CA
Supervised by Prof. Yue Wang September 2024 - Present
 - **Robotics**: A Unified Benchmark for Scalable and Generalizable Vision-Language Robotic Manipulation.
- **AGIBOT, PKU-Agibot Lab, PKU, Research Intern** Beijing, China
Supervised by Prof. Hao Dong March 2024 - August 2024
 - **Robotics, Robot Learning**: Vision-Language-Action(VLA) framework for humanoid manipulation.
- **OpenDriveLab, HKU, Research Intern** Shanghai, China
Supervised by Prof. Hongyang Li March 2023 - June 2024
 - **Robotics, Robot Learning**: MPI is an interaction-oriented representation learning method for robot manipulation. I've accumulated much experience in both real-world and simulation experiments.
 - **End-to-End Autonomous Driving**: We propose a map learning paradigm and corresponding lane attention mechanism that can seamlessly incorporate both map geometry and topology information for online mapping. *CVPR 2024 Autonomous Grand Challenge, Track Mapless Driving*
 - **OpenLane-V2**: The World's First Perception and Reasoning Benchmark for Scene Structure in Autonomous Driving. *CVPR 2023 AD Challenge, Track 1: OpenLane Topology*

PROFESSIONAL SERVICE

- **Reviewer**: CVPR 2024, 2025, NeurIPS 2024, ICLR 2025, ICML 2025, AAAI 2025, ACMMM 2024, AISTATS 2025
- **Co-organizer**: FM4AS at CVPR 2024, E2EAD at CVPR 2023