

Huijie Wang

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Education

Technical University of Munich

M.Sc. Informatics

October 2019 - January 2022

Munich, Germany

Karlsruhe Institute of Technology

B.Sc. Informatics

October 2016 - August 2019

Karlsruhe, Germany

Experience

OpenDriveLab

Researcher

January 2022 - present

Shanghai, China

Cambricon

Research Intern

March 2021 - June 2021

Beijing, China

The Chinese University of Hong Kong, Shenzhen

Visiting Student

November 2020 - March 2021

Shenzhen, China

Publication

H. Li, Y. Li, **H. Wang**, J. Zeng, H. Xu, P. Cai, L. Chen, J. Yan, F. Xu, L. Xiong, J. Wang, F. Zhu, K. Yan, C. Xu, T. Wang, F. Xia, B. Mu, Z. Peng, D. Lin, Y. Qiao. Open-sourced Data Ecosystem in Autonomous Driving: The Present and Future. In *SCIENTIA SINICA Informationis* 2024.

H. Wang, T. Li, Y. Li, L. Chen, C. Sima, Z. Liu, B. Wang, P. Jia, Y. Wang, S. Jiang, F. Wen, H. Xu, P. Luo, J. Yan, W. Zhang, H. Li. OpenLane-V2: A Topology Reasoning Benchmark for Unified 3D HD Mapping. In *NeurIPS* 2023.

T. Li, L. Chen, **H. Wang**, Y. Li, J. Yang, X. Geng, S. Jiang, Y. Wang, H. Xu, C. Xu, J. Yan, P. Luo, H. Li. Graph-based Topology Reasoning for Driving Scenes. In *arXiv:2304.05277*.

L. Huang, **H. Wang**, J. Zeng, S. Zhang, L. Cao, J. Yan, H. Li. Geometric-aware Pretraining for Vision-centric 3D Object Detection. In *arXiv:2304.03105*.

H. Li, C. Sima, J. Dai, W. Wang, L. Lu, **H. Wang**, J. Zeng, Z. Li, J. Yang, H. Deng, H. Tian, E. Xie, J. Xie, L. Chen, T. Li, Y. Li, Y. Gao, X. Jia, S. Liu, J. Shi, D. Lin, Y. Qiao. Delving into the Devils of Bird's-eye-view Perception: A Review, Evaluation and Recipe. In *IEEE TPAMI* 2023.

Y. Ji, R. Zhang, **H. Wang**, Z. Li, L. Wu, S. Zhang, P. Luo. Multi-Compound Transformer for Accurate Biomedical Image Segmentation. In *MICCAI* 2021.

Competition

3D Semantic Segmentation, Waymo Open Challenge, CVPR 2022, *1st Place*.

Service

Secretary IEEE Autonomous Agent Alignment Working Group (VT/AVSC/AAA-WG)

Reviewer [2025] NeurIPS, ICML, ICLR, [2024] ECCV, NeurIPS, CVPR

Organizational

Challenge Lead-organizer, Autonomous Grand Challenge 2025

Lead-organizer, Autonomous Grand Challenge, CVPR 2024

Co-organizer, Autonomous Driving Challenge, CVPR 2023

Workshop Co-organizer, Embodied Intelligence for Autonomous Systems on the Horizon, CVPR 2025

Co-organizer, Foundation Models for Autonomous Systems, CVPR 2024

Co-organizer, End-to-end Autonomous Driving: Emerging Tasks and Challenges, CVPR 2023

Tutorial Lead-organizer, Robotics 101: An Odyssey from A Vision Perspective, CVPR 2025

Co-organizer, Towards Building AGI in Autonomy and Robotics, CVPR 2024

Skill

Language Cantonese, Mandarin, English, German (TestDaF 4444), Japanese (CEFR A2)

Coding Haskell, python, C / C++, HTML / CSS / JavaScript