

Zehan Zheng

<https://dyfcalid.github.io/> [✉ zhengzehan@tongji.edu.cn](mailto:zhengzehan@tongji.edu.cn) [🎓 Google Scholar](#) [🐙 GitHub](#) ★1.3k+

EDUCATION

- Tongji University, China** Sept. 2022 - Present
M.S.E. Student in Autonomous Driving, GPA: 4.7 / 5.0 (91.2 / 100)
Advised by Prof. Guang Chen
- Tongji University, China** Sept. 2017 - July 2022
B.E. in Vehicle Engineering (5 years), GPA: 4.5 / 5.0 (90.1 / 100)

RESEARCH EXPERIENCE

- Research interests: 3D Computer Vision, Dynamic Reconstruction, Autonomous Driving Perception
- Intelligent Sensing, Perception and Computing Lab (ISPC)** July 2022 - Present
Research Assistant, Advisor: Prof. Guang Chen Tongji University, Shanghai
- Research included: 3D Point Clouds, 4D Reconstruction, Neural Fields
- OpenDriveLab, Shanghai AI Laboratory** Dec. 2021 - June 2022
Research Intern, Advisor: Prof. Hongyang Li Shanghai
- Research included: 3D Laneline Detection in Autonomous Driving
- Comprehensive Perception Research Group (CPRG)** Mar. 2021 - Nov. 2021
Research Intern, Advisor: Prof. Wei Tian Tongji University, Shanghai
- Research included: Fish-eye Camera Calibration, Bird's Eye View (BEV)

PUBLICATIONS

- Zehan Zheng, Fan Lu, Weiyi Xue, Guang Chen, Changjun Jiang. **LiDAR4D**: Dynamic Neural Fields for Novel Space-time View LiDAR Synthesis. In **CVPR**, 2024.
- Zehan Zheng, Danni Wu, Ruisi Lu, Fan Lu, Guang Chen, Changjun Jiang. **NeuralPCI**: Spatio-temporal Neural Field for 3D Point Cloud Multi-frame Non-linear Interpolation. In **CVPR**, 2023.
- Li Chen*, Chonghao Sima*, Yang Li*, Zehan Zheng, Jiajie Xu, Xiangwei Geng, Hongyang Li, Conghui He, Jianping Shi, Yu Qiao, Junchi Yan. **PersFormer**: 3D Lane Detection via Perspective Transformer and the OpenLane Benchmark. In **ECCV**, 2022 (Oral).

ACADEMIC SERVICES

- Reviewer: CVPR 2024, ECCV 2024, NeurIPS 2024 (invited)
- Invited Talks for Shanghai Computer Society (SCS) and China Society of Image and Graphics (CSIG)

HONORS & AWARDS

- Excellent Graduate of Tongji University 2022
- Outstanding Student of Tongji University 2018, 2021
- First Prize of Tongji University Scholarship (Top 2%) 2018, 2021
- National First Prize in Formula Student China Competition (FSC) 2020
- National Second Prize of China Undergraduate Mathematical Contest in Modeling (CUMCM) 2020

MISCELLANEOUS

- Languages**: Chinese (Native), English (Proficient)
- Skills**: Python, Pytorch, OpenCV, Open3D, MATLAB, C/C++, CATIA, Star-CCM+
- Engineering Experience**: Tongji University (Formula SAE) **Racing Team** sponsored by Lotus
Technical Leader & Driver & Aerodynamics Designer 2018-2021