

Zehan Zheng

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EDUCATION

Tongji University, Shanghai, China Sept. 2022 - Present
M.Sc. Student, ISPC Lab, Institute of Intelligent Vehicles
Supervisor: Prof. Guang Chen

Tongji University, Shanghai, China Sept. 2017 - July 2022
Bachelor's Degree in Automotive Engineering (5 years)
GPA: 4.5 / 5.0

RESEARCH EXPERIENCE

Research interests: 3D Computer Vision, Autonomous Driving Perception

Intelligent Perception and Computing Lab 2022 - Present
Student Researcher *Tongji University, Shanghai*

- Research included: 3D Computer Vision (Point Cloud), Neural Fields
- Supervisor: Prof. Guang Chen

OpenDriveLab, Shanghai AI Laboratory Dec. 2021 - June 2022
Research Intern *Shanghai*

- Research included: 3D Laneline Detection in Autonomous Driving
- Supervisor: Prof. Hongyang Li

Comprehensive Perception Research Group Mar. 2021 - Nov. 2021
Student Researcher *Tongji University, Shanghai*

- Research included: Computer Vision, Deep Learning, Cameras
- Supervisor: Prof. Wei Tian

PUBLICATIONS

NeuralPCI: Spatio-temporal Neural Field for 3D Point Cloud Multi-frame Non-linear Interpolation. (CVPR, 2023)

Zehan Zheng, Danni Wu, Ruisi Lu, Fan Lu, Guang Chen, Changjun Jiang

PersFormer: 3D Lane Detection via Perspective Transformer and the OpenLane Benchmark. (ECCV, 2022, Oral)

Li Chen*, Chonghao Sima*, Yang Li*, **Zehan Zheng**, Jiajie Xu, Xiangwei Geng, Hongyang Li, Conghui He, Jianping Shi, Yu Qiao, Junchi Yan. (*equal contributions)

HONORS & AWARDS

- Outstanding Graduate of Tongji University, 2022
- Outstanding Student of Tongji University, 2018, 2021
- First Prize of Tongji University Scholarship, 2018, 2021
- National Second Prize of China Undergraduate Mathematical Contest in Modeling (CUMCM), 2020
- Rank 3rd (National First Prize) in Formula Student China Competition (FSC), 2020

MISCELLANEOUS

Languages: Chinese, English (CET-6)

Skills: Linux, Python, Pytorch, MATLAB, C/C++, CATIA, Star-CCM+

Engineering Experience: Tongji University (Formula SAE) Racing Team sponsored by Lotus, Technical Leader & Driver & Aerodynamics Group, 2018-2021

Patent: Three invention patents are under substantive examination, including one first-inventor.