SAINING ZHANG

College of Computing and Data Science, Nanyang Technological University, Singapore Email: SAINING001@e.ntu.edu.sg <u>Homepage</u>

EDUCATION

Nanyang Technological University

M.Eng. in Computer Science and Engineering, Supervised by Prof. Hanwang Zhang

Beijing Institute of Technology

B.Sc. in Computer Science and Technology

- GPA: 88.4/100 (3.7/4.0)
- Selected awards: Outstanding Undergraduate Dissertation Award, Second-class Scholarship of Beijing Institute of Technology;

PUBLICATIONS

- 1. H. Xu*, **Saining Zhang*** et al. "CRUISE: Cooperative Reconstruction and Editing in V2X Scenarios using Gaussian Splatting", review, *ICRA 2025*.
- 2. Saining Zhang et al. "Drone-assisted Road Gaussian Splatting with Cross-view Uncertainty", accepted, *BMVC 2024*.
- 3. Saining Zhang et al. "A Dual-Direction Attention Mixed Feature Network for Facial Expression", *Electronics (JCR Q2), 12 (17), 3595, 2023.*

SELECTED AWARDS AND HONORS

- Outstanding Undergraduate Dissertation Award, Beijing Education Commission (top 0.9% in 130,000 students)
- Winner Award, NTIRE 2024 (CVPR 2024 workshop) Stereo Image Super-Resolution Challenge Track 1 & Track 2
- Second place, 2021 iFLYTEK A.I. Developer Competition Facial Expression Recognition Challenge

RESEARCH EXPERIENCE

Institute for AI Industry Research, Tsinghua University	Beijing, China
Research Intern to Assistant Professor Hao Zhao	Oct 2023-Present
Drone-assisted Road Gaussian Splatting	
V2X Simulation	
Harvard T.H. Chan School of Public Health (Department of Biostatistics)	Boston (remote)
Research Intern to Assistant Professor Junwei Lu	Mar 2023 – Mar 2024
Research for Medical Informatics	
University of Chinese Academy of Sciences	Beijing, China
RA to Prof. Jiaoqing Pan and Associate Research Fellow, Zhigang Song	Aug 2022 – Oct 2022
Dual Direction Attention Mixed Feature Network for Facial Expression Re	ecognition
Beijing Institute of Technology (School of Medical Technology)	Beijing, China
Research Intern to Professor Jian Yang	May 2022 – May 2023
High-Resolution Boundary Detection for Medical Image Segmentation	
WORK EXPERIENCE	

Huawei International Pte Ltd Assistant Engineer Singapore Sep 2024 – Present



Aug 2024-Present

Singapore

Beijing, China Oct 2020 – Jun 2024

ADDITIONAL INFORMATION

Computer Skills

• C++, Python and assembly languages (X86, MIPS, RISC-V). Familiar with Java, SQL, Pytorch toolbox. Some knowledge of Computer Vision, Original (drawing), Matlab (mathematical modeling) and LaTex (writing)

Language Skills

• TOEFL: 102 (Reading: 28, Listening: 27, Oral: 22, Writing:25) GRE: 323 (Verbal: 153, Quantitative: 170, Writing: 3.0)