

SHUHAN TAN

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EDUCATION

University of Texas at Austin Aug. 2021 -
Ph.D. in Computer Science
Research Assistant, GPA: 3.73/4.00

Sun Yat-Sen University Aug. 2016 - Jun. 2021
B.Eng. in Computer Science & Technology
Major GPA: 93.1/100, Ranking: 2/189

RESEARCH AND INDUSTRY EXPERIENCE

Waymo Research Jun. 2024 - Nov. 2024
Research Intern with Max Jiang.

NVIDIA Research Aug. 2023 - Jun. 2024
Research Intern with Boris Ivanovic and Marco Pavone.

UT Austin Jan. 2023 - Now
Graduate Research Assistant with Philipp Krähenbühl.

UT Austin Aug. 2021 - Dec. 2022
Graduate Research Assistant with Kristen Grauman.

The Chinese University of Hong Kong Sep. 2020 - Mar. 2021
Research Assistant with Bolei Zhou.

Uber ATG Oct. 2019 - Aug. 2020
Research Intern with Raquel Urtasun and Shenlong Wang.

Boston University July. 2019 - Sep. 2019
Visiting Scholar with Kate Saenko.

Sun Yat-Sen University Jan. 2018 - June. 2019
Research Assistant with Wei-Shi Zheng.

PUBLICATIONS

- Promptable Closed-loop Traffic Simulation.
Shuhan Tan, Boris Ivanovic, Yuxiao Chen, Boyi Li, Xinshuo Weng, Yulong Cao, Philipp Krähenbühl, Marco Pavone
CoRL, 2024.
- Language Conditioned Traffic Generation.
Shuhan Tan, Boris Ivanovic, Xinshuo Weng, Marco Pavone, Philipp Krähenbühl
CoRL, 2023.

- EgoDistill: Egocentric Head Motion Distillation for Efficient Video Understanding.
Shuhan Tan, Tushar Nagarajan, Kristen Grauman.
NeurIPS 2023.
- TrafficGen: Learning to Generate Diverse and Realistic Traffic Scenarios.
Lan Feng, Quanyi Li, Zhenghao Peng, **Shuhan Tan**, Bolei Zhou.
ICRA, 2023.
- SceneGen: Learning to Generate Realistic Traffic Scenes.
Shuhan Tan*, Kelvin Wong*, Shenlong Wang, Sivabalan Manivasagam,
Mengye Ren, Raquel Urtasun.
CVPR 2021.
- Class-imbalanced Domain Adaptation: An Empirical Odyssey.
Shuhan Tan, Xingchao Peng, Kate Saenko.
ECCV 2020 TASK-CV Workshop.
- LidarSIM: Realistic LiDAR Simulation by Leveraging the Real World.
Sivabalan Manivasagam, Shenlong Wang, Kelvin Wong, Wenyuan Zeng, Mikita Sazanovich,
Shuhan Tan, Bin Yang, Wei-Chiu Ma, Raquel Urtasun.
CVPR 2020, Oral.
- Biomarker Localization by Combining CNN Classifier and Generative Adversarial Network.
Rong Zhang, **Shuhan Tan**, Ruixuan Wang, Siyamalan Manivannan, Wei-Shi Zheng.
MICCAI 2019.
- Weakly Supervised Open-set Domain Adaptation by Dual-domain Collaboration.
Shuhan Tan, Jiening Jiao, Wei-Shi Zheng.
CVPR 2019.

PREPRINTS

- Improving the Fairness of Deep Generative Models without Retraining.
Shuhan Tan, Yujun Shen, Bolei Zhou.
arXiv.2012.04842 preprint.

AWARDS

Excellent Student Scholarship, SYSU (top %5, Twice)

Aug. 2016 - Jul. 2018