

Yushan Zhang

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Linköping, Sweden

ABOUT ME

I'm a PhD student at the Computer Vision Laboratory at Linköping University, advised by Michael Felsberg. Previously, I was an intern in at NVIDIA's Dynamic Vision and Learning Group, advised by Laura Leal-Taixe. I'm interested in computer vision and machine learning in general. My work focuses on 3D computer vision, including scene flow estimation, LiDAR video segmentation and tracking.

EXPERIENCE

- **NVIDIA**  06 2024 - 11 2024
Research Intern in Computer Vision Remote
◦ Supervised by Laura Leal-Taixe

EDUCATION

- **Linköping University** 10 2021 - now
Ph.D in Computer Vision Linköping, Sweden
◦ Supervised by Michael Felsberg
- **Beijing Institute of Technology** 09 2018 - 06 2021
M.S. in Optical Engineering Beijing, China
◦ Grade: 3.8/4.0
- **Beijing Institute of Technology** 09 2014 - 06 2018
B.S. in Electronic Engineering Beijing, China
◦ GPA: 3.9/4.0

SELECTED PUBLICATIONS

- [1] **Zhang Y, Wandt B, Magnusson M, et al. (2024). DiffSF: Diffusion Models for Scene Flow Estimation.** *Advances in Neural Information Processing Systems*, 37. (NeurIPS 2024 Spotlight).
- [2] Jonnarth A, **Zhang Y**, Felsberg M. (2024). **High-fidelity Pseudo-labels for Boosting Weakly-Supervised Segmentation.** *Winter Conference on Applications of Computer Vision*. 2024: 1010-1019. (WACV 2024).
- [3] **Zhang Y**, Edstedt J, Wandt B, et al. (2023). **GMSF: Global Matching Scene Flow.** *Advances in Neural Information Processing Systems*, 36. (NeurIPS 2023).
- [4] **Zhang Y**, Robinson A, Magnusson M, et al. (2023). **Leveraging Optical Flow Features for Higher Generalization Power in Video Object Segmentation.** *IEEE International Conference on Image Processing*. (ICIP 2023).




SKILLS

- **Programming Languages:** Python
- **Languages:** Chinese (native), English (fluent), Swedish (beginner)

HONORS AND AWARDS

- **Beijing Excellent Graduate Title (Top 2%)** 06 2018
- **National Scholarship (Top 2%)** 2015 - 2016
- **National Scholarship (Top 2%)** 2014 - 2015

OTHER EXPERIENCE

- **CVPR 2025** 2024
Reviewer 
- **VOT Challenge 2023** 2023
Technical Committee 
- **VOT Challenge 2022, Workshop in ECCV 2022** 2022
Technical Committee 
- **VOT Challenge 2020, Workshop in ECCV 2020** 2020
Technical Committee 