

# Zhenyang (Daniel) Feng

✉ fengzhenyang47@gmail.com  
🌐 <https://defisch.github.io/>

🐙 GitHub

🌐 LinkedIn

## Education

Jul. 22' - May 25'    📖 **Bachelors of Science, Computer Science and Engineering**  
Ohio State University, Columbus, OH  
GPA: 4.0/4.0

## Research Publications and Submissions

### Conference

- 1    **Z. Feng**, Z. Wang, S. I. Bueno, T. Frelek, A. Ramesh, J. Bai, L. Wang, Z. Huang, J. Gu, J. Yoo, T.-Y. Pan, A. Chowdhury, M. Ramirez, E. G. Campolongo, M. J. Thompson, C. G. Lawrence, S. Record, N. Rosser, A. Karpatne, D. Rubenstein, H. Lapp, C. V. Stewart, T. Berger-Wolf, Y. Su, and W.-L. Chao, "Static segmentation by tracking: A frustratingly label-efficient approach to fine-grained segmentation," *CVPR (under review)*, 2025. 🔗 URL: <https://arxiv.org/abs/2501.06749>.
- 2    J. Yoo, **Z. Feng**, T.-Y. Pan, Y. Sun, C. P. Phoo, X. Chen, M. Campbell, K. Q. Weinberger, B. Hariharan, and W.-L. Chao, "Learning 3D Perception from Others' Predictions," *ICLR (under review)*, 2025. 🔗 URL: <https://arxiv.org/abs/2410.02646>.
- 3    T.-Y. Pan, S. Jeon, M. Fan, J. Yoo, **Z. Feng**, M. Campbell, K. Q. Weinberger, B. Hariharan, and W.-L. Chao, "Transfer your perspective: Controllable 3d generation from any viewpoint in a driving scene," *CVPR (under review)*, 2025.
- 4    K. S. Mehrab, M. Maruf, A. Daw, A. Neog, H. B. Manogaran, M. Khurana, **Z. Feng**, B. Altintas, Y. Bakis, E. G. Campolongo, M. J. Thompson, X. Wang, H. Lapp, T. Berger-Wolf, P. Mabee, H. Bart, W.-L. Chao, W. M. Dahdul, and A. Karpatne, "Fish-vista: A multi-purpose dataset for understanding and identification of traits from images," *CVPR (under review)*, 2025.

(For links to the arXiv papers and demo of the projects, please visit my website.)

## Project Experience

- 2023 - current    📖 **MLB Lab**, Working under Dr. Wei-Lun (Harry) Chao's MLB Lab for Autonomous Driving and Computer Vision related projects: Collaborative Driving settings, Point-Cloud Generation, Few-Shot Learning for Science.
- 2024 - current    📖 **Imageomics Institute**, Leading a research project on Few-Shot specimen traits segmentation, currently under submission.
- 2023 - current    📖 **AutoDrive Challenge II**, Working with Buckeye AutoDrive team, as a co-lead within perception team to develop L4 autonomous driving vehicle. Responsible for the developments of Lane Segmentation/Detection models, Traffic Light classifier, HDMap deployments, and the training of 3D detectors.

## Skills

- Languages    📖 Strong reading, writing and speaking competencies for English and Mandarin Chinese.
- Coding    📖 Python, Java, C++, C#,  $\LaTeX$ , ...
- Fields    📖 Autonomous Driving, Applied Computer Vision, 3D Vision, Multi-Agent System