Zhenyang (Daniel) Feng

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https://defisch.github.io/

Education

Jul. 22' - May 25' **Bachelors of Science, Computer Science and Engineering**
Ohio State University, Columbus, OH
GPA: **3.99/4.00**

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," *International Conference on Learning Representations (ICLR)*, 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.

Honors and Awards

2025 **Undergraduate Student Research Award**
Department of Computer Science and Engineering, The Ohio State University

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