Stanford

Zhenzhen Weng

- Ph.D. Student in Computational and Mathematical Engineering, admitted Autumn 2020
- Masters Student in Computational and Mathematical Engineering, admitted Autumn 2018

Bio

BIO

I am a final year Ph.D student in Computational and Mathematical Engineering (ICME) at Stanford University where I am advised by Prof. Serena Yeung.

I am broadly interested in 3D computer vision and machine learning. Specifically, my current research interests are human-centric 3D perception.

Prior to my Ph.D, I received B.S. in Computer Science and B.S. in Mathematics from Carnegie Mellon University. I also previously worked for a fund manager on the East Coast.

My website: https://zzweng.github.io/

EDUCATION AND CERTIFICATIONS

- BS, Carnegie Mellon University , Mathematics
- BS, Carnegie Mellon University , Computer Science

Publications

PUBLICATIONS

- **3D Human Keypoints Estimation from Point Clouds in the Wild without Human Labels**
  Weng, Z., Gorban, A. S., Ji, J., Najibi, M., Zhou, Y., Anguelov, D., IEEE
  IEEE COMPUTER SOC.2023: 1158-1167
- **NeMo: 3D Neural Motion Fields from Multiple Video Instances of the Same Action**
  Wang, K., Weng, Z., Xenochristou, M., Araujo, J., Gu, J., Liu, C., Yeung, S., IEEE
  IEEE COMPUTER SOC.2023: 22129-22138
- **Domain Adaptive 3D Pose Augmentation for In-the-wild Human Mesh Recovery**
  Weng, Z., Wang, K., Kanazawa, A., Yeung, S., IEEE
  IEEE.2022: 261-270
- **Unsupervised Discovery of the Long-Tail in Instance Segmentation Using Hierarchical Self-Supervision**
  Weng, Z., Ogut, M., Limonchik, S., Yeung, S., IEEE COMP SOC
  IEEE COMPUTER SOC.2021: 2603-2612
- **Holistic 3D Human and Scene Mesh Estimation from Single View Images**
  Weng, Z., Yeung, S., IEEE COMP SOC
  IEEE COMPUTER SOC.2021: 334-343
- **Slice-based Learning: A Programming Model for Residual Learning in Critical Data Slices**
  Chen, V. S., Wu, S., Weng, Z., Ratner, A., Re, C., Wallach, H., Larochelle, H., Beygelzimer, A., d'Alche-Buc, F., Fox, E., Garnett, R.

NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2019

- **Utilizing Weak Supervision to Infer Complex Objects and Situations in Autonomous Driving Data**
  Weng, Z., Varma, P., Masalov, A., Ota, J., Re, C., IEEE
  IEEE.2019: 119–25