

Yen-Yu Chang

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Research Interests

3D Reconstruction, Motion Analysis, View Synthesis

Education

Cornel Tech, Cornell University

Ph.D. Student in Computer Science

Advisor: Prof. Noah Snavely

New York, NY

2022 – Present

Stanford University

MS in Electrical Engineering

Advisors: Prof. Jure Leskovec, Prof. Leonidas Guibas, Prof. Jiajun Wu

Stanford, CA

2019 – 2021

National Taiwan University

BS in Electrical Engineering

GPA: 3.8/4.0

Taipei, Taiwan

2014 – 2018

Publications

Tracking Everything Everywhere All at Once

Qianqian Wang, Yen-Yu Chang, Ruojin Cai, Zhengqi Li, Bharath Hariharan, Aleksander Holynski, Noah Snavely.

*International Conference on Computer Vision (ICCV), 2023, **Oral**.*

Learning Object-centric Neural Scattering Functions for Free-viewpoint Relighting and Scene Composition

Hong-Xing Yu*, Michelle Guo*, Alireza Fathi, Yen-Yu Chang, Eric Ryan Chan, Ruohan Gao, Thomas Funkhouser, Jiajun Wu.

Transactions on Machine Learning Research (TRML), 2023.

Point2Cyl: Reverse Engineering 3D Objects from Point Clouds to Extrusion Cylinders

Mikaela Angelina Uy*, Yen-Yu Chang*, Minhyuk Sung, Purvi Goel, Joseph Lambourne, Tolga Birdal, Leonidas Guibas.

Computer Vision and Pattern Recognition (CVPR), 2022.

OBJECTFOLDER 2.0: A Multisensory Object Dataset for Sim2Real Transfer

Ruohan Gao*, Zilin Si*, Yen-Yu Chang*, Samuel Clarke, Jeannette Bohg, Li Fei-Fei, Wenzhen Yuan, Jiajun Wu.

Computer Vision and Pattern Recognition (CVPR), 2022.

ObjectFolder: A Dataset of Objects with Implicit Visual, Auditory, and Tactile Representations

Ruohan Gao, Yen-Yu Chang*, Shivani Mall*, Li Fei-Fei, Jiajun Wu.

Conference on Robot Learning (CoRL), 2021.

Inductive Representation Learning in Temporal Networks via Causal Anonymous Walks

Yanbang Wang, Yen-Yu Chang, Yunyu Liu, Pan Li, Jure Leskovec.

International Conference on Learning Representations (ICLR), 2021.

F-FADE: Frequency Factorization for Anomaly Detection in Edge Streams
 Yen-Yu Chang, Pan Li, Rok Sosc, M. H. Afifi, Marco Schweighauser, Jure Leskovec.
International Conference on Web Search and Data Mining (WSDM), 2021.

A Regulation Enforcement Solution for Multi-agent Reinforcement Learning
 Fan-Yun Sun, Yen-Yu Chang, Yueh-Hua Wu, Shou-De Lin.
International Conference on Autonomous Agents and Multiagent Systems (AAMAS), 2019.

Designing Non-greedy Reinforcement Learning Agents with Diminishing Reward Shaping
 Fan-Yun Sun, Yen-Yu Chang, Yueh-Hua Wu, Shou-De Lin.
AAAI/ACM Conference on Artificial Intelligence, Ethics, and Society (AIES), 2018.

ANS: Adaptive Network Scaling for Deep Rectifier Reinforcement Learning Models
 Yueh-Hua Wu, Fan-Yun Sun, Yen-Yu Chang, Shou-De Lin.
preprint.

A Memory-Network Based for Multivariate Time-Series Forecasting
 Yen-Yu Chang, Fan-Yun Sun, Yueh-Hua Wu, Shou-De Lin.
preprint.

Research Experiences	Stanford Vision and Learning Lab (SVL) Research Assistant Mentors: Prof. Jiajun Wu, Prof. Fei-Fei Li, Dr. Ruohan Gao Topics: Neural rendering, multimodal learning	Stanford, CA Feb. 2021 – Dec. 2021
	Stanford Geometric Computation Group Graduate Researcher Mentors: Prof. Leonidas Guibas, Mikaela Uy Topics: 3D computer vision, CAD reverse engineering	Stanford, CA Feb. 2021 – Aug. 2021
	Stanford Network Analysis Project (SNAP) Research Assistant Mentors: Prof. Jure Leskovec, Prof. Pan Li, Dr. Rok Sosc Topics: Graph representation learning, anomaly detection	Stanford, CA Jul. 2019 – Jan. 2021
Teaching Experiences	Teaching assistant, Cornell University CS 4620: Introduction to Computer Graphics	Fall 2022
Industry Experiences	Horizon Robotics Research Engineer	Cupertino, CA Jan. 2022 – Jun. 2022
Awards	4th Place, KDD Cup 2018 Special Prize Dean's list, GPA in top 5% in Department of Electrical Engineering	2018 2016
Skills	Programming Python, PyTorch, Tensorflow, C/C++ Languages Mandarin (native), English (fluent)	