

ENYU ZHAO

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EDUCATION

University of Southern California

Sept 2022 - May 2024

Thomas Lord Department of Computer Science

- Degree: Master of Science in Computer Science, **GPA: 3.9/4**
- Major Courses: Robotics, Deep Learning for Robotic Manipulation, Machine Learning, Computer Graphics, etc.

Dalian University of Technology

Sept 2018 - June 2022

Department of Electronic and Electrical Engineering

- Degree: Bachelor of Science in Computer Science and Technology, **GPA: 3.8/4**
- Major Courses: Deep Learning, Algorithm Analysis, Probability and Statistics, Compiler's Principle, etc.

PUBLICATION

GPT-Fabric: Smoothing and Folding Fabric by Leveraging Pre-Trained Foundation Models

Vedant Raval, Enyu Zhao*, Hejia Zhang, Stefanos Nikolaidis, and Daniel Seita*

- ISRR 2024. [\[Paper \(arxiv\)\]](#) [\[Website\]](#)

Time-aware MADDPG with LSTM for multi-agent obstacle avoidance: a comparative study

Enyu Zhao, Ning Zhou, Chanjuan Liu, Houfu Su, Yang Liu, Jinmiao Cong

- Complex & Intelligent Systems Volume 10, 4141-4155. [\[Paper\]](#)

Instant Photorealistic Style Transfer: A Lightweight and Adaptive Approach

Rong Liu, Enyu Zhao, Zhiyuan Liu, Andrew Feng, Scott John Easley

- In submission to WACV 2025
- arXiv preprint arXiv:2309.10011. [\[Paper \(arxiv\)\]](#) [\[Website\]](#)

SDI: A tool for speech differentiation in user identification

Muhammad Abdul Basit, Chanjuan Liu, Enyu Zhao

- Expert Systems with Applications, Volume 243, 122866. [\[Paper\]](#)

ONGOING PROJECTS

Benchmarking VLMs for Robot Manipulation

May 2024 - present

USC SLURM Lab

- Benchmarking VLMs for low-level physical reasoning of contact-rich robot manipulation with MCQ questions.

EXPERIENCE

USC Sensing, Learning, and Understanding for Robotic Manipulation (SLURM) Lab

Dec 2023 - present

Research Assistant

Los Angeles, United States

- Conducted research on multi-modality large language models and robotics manipulation.

USC Institute of Creative Technology

Aug 2023 - May 2024

Research Scientist Intern

Los Angeles, United States

- Conducted research on multi-agent and graph neural network.

Cisco Systems China Research & Development Co Ltd

Jul 2021 - Nov 2021

Research Scientist Intern

Shanghai, China

- Conducted research on small-scale computer vision models and development.

SERVICE

Reviewer for 3D Visual Representations for Robot Manipulation workshop	ICRA 2024
Reviewer for Agile Robotics: From Perception to Dynamic Action workshop	ICRA 2024

COURSE PROJECTS

LLM-based Copilot for Enhanced Vehicle Functionality	Mar 2024 - May 2024
· Develop an LLM-powered copilot with advanced capabilities in task decomposition, language understanding, and API coordination for a set of scenarios frequently performed by drivers. [Details]	
Modeling Earthquake Damage	Mar 2023 - May 2023
· Build machine learning model for the "Richter's Predictor: Modeling Earthquake Damage" competition and achieved top 5% ranking. [Details]	

HONORS

· OpenAI Researcher Access Program (\$5000 API credits).	2024
· Meritorious Winner in Mathematical Contest in Modeling.	2021
· DUT Scientific Innovation Prize	2019
· DUT Academic Achievement Prize	2019

TECHNICAL SKILLS

- Programming Language: Python, C++, C, MATLAB
- Frameworks: Pytorch, Tensorflow, ROS, Rllib, Tianshou