

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: 3.91/4**
- 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 Engineering in Computer Science and Technology, **GPA: 3.77/4**
- Major Courses: Deep Learning, Algorithm Analysis, Probability and Statistics, Compiler's Principle, etc.

PUBLICATION

The MOTIF Hand: A Robotic Hand for Multimodal Observations with Thermal, Inertial, and Force Sensors

Hanyang Zhou, Haozhe Lou*, Wenhao Liu*, Enyu Zhao, Yue Wang, Daniel Seita*

- Submitted to ISER 2025

HRIBench: Benchmarking Vision-Language Models for Real-Time Human Perception in Human-Robot Interaction

Zhonghao Shi, Enyu Zhao, Nathaniel Dennler, Jingzhen Wang, Xinyang Xu, Kaleen Shrestha, Daniel Seita, Maja Matarić

- Submitted to ISER 2025

ManipBench: Benchmarking Vision-Language Models for Low-Level Robot Manipulation

Enyu Zhao, Vedant Raval*, Hejia Zhang, Jiageng Mao, Zeyu Shangguan, Yue Wang, Daniel Seita*

- Submitted to RSS 2025

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

- 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

GPT-Fabric++

May 2024 - present

USC SLURM Lab

- A follow-up work of GPT-Fabric, focusing on enhancing the generalizability of VLMs in fabric manipulation tasks.

EXPERIENCE

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

Dec 2023 - present
Los Angeles, United States

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

USC Institute for Creative Technologies
Research Scientist Intern

Aug 2023 - May 2024
Los Angeles, United States

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

Cisco Systems China Research & Development Co Ltd
Research Scientist Intern

Jul 2021 - Nov 2021
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

- Ph.D. Fellowship from The University of Utah. 2025
- 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