

YU ZHOU

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OVERVIEW

Objectives

Open to research internship and fellowship opportunities.

Research Interests

Grounded reasoning in large multi-modal vision-language models, video understanding, embodied agents.

EDUCATION

University of California, Los Angeles

Sep 2024 - Present

Ph.D. in Computer Science

Advisors: Nanyun Peng, Kai-Wei Chang

University of California, Los Angeles

Sep 2019 - Dec 2023

B.S. in Mathematics of Computation, minor in Data Science Engineering

EXPERIENCE

Stanford University

March 2024 - Sep 2024

Research Intern

- *Mentors: Jiajun Wu, Fei-Fei Li*
- Constructing large-scale simulation benchmarks to evaluate LLMs and VLMs on embodied decision making.

University of California, Los Angeles

Feb 2023 - Feb 2024

Research Intern

- *Mentors: Nanyun Peng, Kai-Wei Chang*
- Video understanding and grounded reasoning; synthetic visual data generation; T2V model editing & evaluation.

University of Illinois Urbana-Champaign

May 2022 - Jan 2023

Research Intern

- *Mentors: Heng Ji, Mohit Bansal, Shih-Fu Chang*
- Learning non-sequential procedural planning from video and text and inducing graph schemata.

SELECTED PUBLICATIONS

Embodied Agent Interface: Benchmarking LLMs for Embodied Decision Making  *NeurIPS 2024 (Oral)*

Best Paper Award at SoCal NLP 2024

Manling Li, Shiyu Zhao*, Qineng Wang*, Kangrui Wang*, Yu Zhou* (equal contribution), Sanjana Srivastava, Cem Gokmen, Tony Lee, Li Erran Li, Ruohan Zhang, Weiyu Liu, Percy Liang, Li Fei-Fei, Jiayuan Mao, Jiajun Wu*

Localizing Active Objects from Egocentric Vision with Symbolic World Knowledge  *EMNLP 2023 (Oral)*

Te-Lin Wu, Yu Zhou* (equal contribution), Nanyun Peng*

Non-Sequential Graph Script Induction via Multimedia Grounding 

ACL 2023

Yu Zhou, Sha Li, Manling Li, Xudong Lin, Shih-Fu Chang, Mohit Bansal, Heng Ji

Contrastive Visual Data Augmentation 

Under-Review

Yu Zhou, Bingxuan Li*, Mohan Tang*, Xiaomeng Jin, Te-Lin Wu, Kuan-Hao Huang, Heng Ji, Kai-Wei Chang, Nanyun Peng*

ACADEMIC ACTIVITIES

In-Person Presentations: NeurIPS 2024 (Oral), EMNLP 2023 (Oral), ACL 2023 (Poster)

Program Committee: NeurIPS, ICLR, CVPR, ACL, EMNLP, NAACL

Conference Volunteer: ACL 2023