

# YU ZHOU

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## OBJECTIVE

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### Summer 2025 Research Internship

#### Research Interests

Reasoning in multi-modal and embodied settings, building web / embodied agents, and model evaluation.

## EDUCATION

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### 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

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### Stanford University

April 2024 - Sep 2024

Research Intern

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

### University of California, Los Angeles

Feb 2023 - Feb 2024

Undergraduate Researcher

- *Mentors: Nanyun Peng, Kai-Wei Chang*
- Visual synthetic data generation; enhancing egocentric object detection/tracking; dialectal bias in T2I models.

### 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

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

*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*

**Towards Universal Visual Concept Recognition via Contrastive Data Augmentation**

*CVPR 2025 (on-going)*

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

**Dialectal Biases in Text-to-Image Generative Models**

*ACL 2025 (on-going)*

*Yu Zhou, Da Yin, Allen Cheung, Connor Couture, Kai-Wei Chang, Nanyun Peng*

**Benchmarking VLMs for Embodied Decision Making**

*ICML 2025 (to be submitted)*

*Yu Zhou\*, Qineng Wang\*, Wenlong Huang\*, Manling Li\*, Kangrui Wang, Yunfan Jiang, Ruohan Zhang, Weiyu Liu, Yunzhu Li, Li Fei-Fei, Jiajun Wu*

## ACADEMIC ACTIVITIES

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<b>In-Person Presentations:</b>	EMNLP 2023 (Oral), ACL 2023 (Poster), SoCal NLP 2023 (Poster x2)
<b>Program Committee:</b>	NeurIPS, ICLR, CVPR, ACL, EMNLP, NAACL
<b>Awards Committee:</b>	SoCal NLP Symposium
<b>Conference Volunteer:</b>	ACL 2023