

YU ZHOU

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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 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

Embodied Agent Interface: Benchmarking LLMs for Embodied Decision Making  *NeurIPS 2024 (Oral)*
Best Paper Award at SoCal NLP Symposium 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

Towards Universal Concept Recognition: Contrastive Visual Data Augmentation *CVPR 2025 (under-review)*
Yu Zhou, Bingxuan Li*, Mohan Tang*, Te-Lin Wu, Xiaomeng Jin, Kuan-Hao Huang, Heng Ji, Kai-Wei Chang, Nanyun Peng*

Embodied Agent Interface 2: Benchmarking VLMs for Embodied Decision Making *ICML 2025 (on-going)*
Yu Zhou, Qineng Wang*, Wenlong Huang*, Manling Li*, Kangrui Wang, Yunfan Jiang, Ruohan Zhang, Weiyu Liu, Yunzhu Li, Li Fei-Fei, Jiajun Wu (list subject to change)*

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

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