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 and Data Science Engineering

EXPERIENCE

Stanford University　　　　　　　　　　　　　　　　　　　　　　*March 2024 - Sep 2024*
Research Intern
  • *Mentors: Jiajun Wu, Fei-Fei Li*

University of Illinois Urbana-Champaign　　　　　　　　　　　　　*May 2022 - Jan 2023*
Research Intern
  • *Mentors: Heng Ji, Mohit Bansal, Shih-Fu Chang*

Tsinghua University　　　　　　　　　　　　　　　　　　　　　　*May 2021 - Aug 2021*
Research Intern
  • *Mentor: Juanzi Li*

SELECTED PUBLICATIONS

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, 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*

Iterative Strict Density-Based Clustering for News Stream　　　　　　　　　　　*CCIR 2021*
*Kaijie Shi, Jiaxin Shi, **Yu Zhou**, Lei Hou, Juanzi Li*

ACADEMIC ACTIVITIES

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

SKILLS

Programming:	C/C++, Python, JavaScript, SQL, R, MATLAB, HTML, CSS
Technologies:	UNIX, Git, React, PostgreSQL, MongoDB, Redis, Neo4j
Machine Learning:	PyTorch, TensorFlow, MapReduce, Apache Spark