

James Y. Huang

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EDUCATION

University of Southern California

Ph.D. in Computer Science, Advisor: Muhao Chen

Aug 2021 - present

Los Angeles, CA

University of California, Los Angeles

M.S. in Computer Science, Advisor: Kai-Wei Chang

Sep 2019 - Mar 2021

Los Angeles, CA

University of Toronto

B.A.S. with Honors, Engineering Science (Robotics Major)

Sep 2015 - May 2019

Toronto, ON

PUBLICATIONS

1. DeAL: Decoding-time Alignment for Large Language Models
James Y. Huang, Sailik Sengupta, Daniele Bonadiman, Yi-An Lai, Arshit Gupta, Nikolaos Pappas, Saab Mansour, Katrin Kirchhoff, Dan Roth
In Submission
2. MuirBench: A Comprehensive Benchmark for Robust Multi-image Understanding
Fei Wang*, Xingyu Fu*, **James Y. Huang**, Zekun Li, Qin Liu, Xiaogeng Liu, Mingyu Derek Ma, Nan Xu, Wenxuan Zhou, Kai Zhang, Tianyi Lorena Yan, Wenjie Jacky Mo, Hsiang-Hui Liu, Pan Lu, Chunyuan Li, Chaowei Xiao, Kai-Wei Chang, Dan Roth, Sheng Zhang, Hoifung Poon, Muhao Chen
ICLR 2025
3. Offset Unlearning for Large Language Models
James Y. Huang, Wenxuan Zhou, Fei Wang, Fred Morstatter, Sheng Zhang, Hoifung Poon, Muhao Chen
TMLR
4. mDPO: Conditional Preference Optimization for Multimodal Large Language Models
Fei Wang, Wenxuan Zhou, **James Y. Huang**, Nan Xu, Sheng Zhang, Hoifung Poon, Muhao Chen
EMNLP 2024
5. Contrastive Instruction Tuning
Tianyi Yan, Fei Wang, **James Y. Huang**, Wenxuan Zhou, Fan Yin, Aram Galstyan, Wenpeng Yin, Muhao Chen
ACL 2024 (Findings)
6. Bridging Continuous and Discrete Spaces: Interpretable Sentence Representation Learning via Compositional Operations
James Y. Huang, Wenlin Yao, Kaiqiang Song, Hongming Zhang, Muhao Chen, Dong Yu
EMNLP 2023 Outstanding Paper Award
7. Robust Natural Language Understanding with Residual Attention Debiasing
Fei Wang*, **James Y. Huang***, Tianyi Yan, Wenxuan Zhou, Muhao Chen
ACL 2023 (Findings)
8. Parameter-Efficient Tuning with Special Token Adaptation
Xiaocong Yang, **James Y. Huang**, Wenxuan Zhou, Muhao Chen
EACL 2023
9. Unified Semantic Typing with Meaningful Label Inference
James Y. Huang, Bangzheng Li, Jiashu Xu, Muhao Chen
NAACL 2022

10. Disentangling Semantics and Syntax in Sentence Embeddings with Pre-trained Language Models
James Y. Huang, Kuan-Hao Huang, Kai-Wei Chang
NAACL 2021
11. Robotic Immobilization of Motile Sperm
 Zhuoran Zhang, Changsheng Dai, **James Huang**, Xian Wang, Jun Liu, Junyan Zhang, Sergey Moskvovtsev, Clifford Librach, Keith Jarvi, Yu Sun
ICRA 2018
12. Automated Non-Invasive Measurement of Sperm Motility and Morphology Parameters
 Changsheng Dai, Zhuoran Zhang, **James Huang**, Xian Wang, Wenlong Meng, Junyan Zhang, Sergey Moskvovtsev, Clifford Librach, Keith Jarvi, Yu Sun
ICRA 2018

INDUSTRY EXPERIENCE

Adobe Research	Summer 2024
Research Scientist Intern	San Jose, CA
Amazon Web Services AI	Summer 2023
Applied Scientist Intern	Santa Clara, CA
Tencent AI Lab	Summer 2022
Research Scientist Intern	Bellevue, WA

TEACHING EXPERIENCE

Teaching Assistant	Spring 2025
CSCI 572 Information Retrieval and Web Search Engines	USC
Teaching Assistant	Fall 2024
CSCI 566 Deep Learning and its Applications	USC

AWARDS

Outstanding Paper Award , EMNLP	2023
Excellence Award , University of Toronto	2018
Undergraduate Student Research Award , NSERC Canada	2017

SERVICE

Reviewer: ARR, ACL, EMNLP, NAACL