

# James Y. Huang

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jyhuang36.github.io

## EDUCATION

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<b>University of Southern California</b> Ph.D. in Computer Science, Advisor: Muhao Chen	08/2021 – present
<b>University of California, Los Angeles</b> M.S. in Computer Science, Advisor: Kai-Wei Chang	09/2019 – 03/2021
<b>University of Toronto</b> B.A.S. with Honors, Engineering Science (Robotics Major)	09/2015 – 05/2019

## PUBLICATIONS

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- Offset Unlearning for Large Language Models  
**James Y. Huang**, Wenxuan Zhou, Fei Wang, Fred Morstatter, Sheng Zhang, Hoifung Poon, Muhao Chen  
*In Submission to ARR*
- 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 Kirchoff, Dan Roth  
*In Submission to ARR*
- 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*
- 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*
- Contrastive Instruction Tuning  
Tianyi Yan, Fei Wang, **James Y. Huang**, Wenxuan Zhou, Fan Yin, Aram Galstyan, Wenpeng Yin, Muhao Chen  
*ACL 2024 (Findings)*
- 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)*
- Robust Natural Language Understanding with Residual Attention Debiasing  
Fei Wang\*, **James Y. Huang**\*, Tianyi Yan, Wenxuan Zhou, Muhao Chen  
*ACL 2023 (Findings)*
- Parameter-Efficient Tuning with Special Token Adaptation  
Xiacong Yang, **James Y. Huang**, Wenxuan Zhou, Muhao Chen  
*EACL 2023*
- 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*

## EXPERIENCE

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<b>Adobe Research</b> Research Scientist Intern, Mentor: Xiang Chen, Tong Yu, Haoliang Wang <ul style="list-style-type: none"><li>Knowledge Conflict in Retrieval Augmented Generation</li></ul>	05/2024 – 08/2024 San Jose, CA
<b>Amazon Web Services AI</b> Applied Scientist Intern, Mentor: Sailik Sengupta, Daniele Bonadiman, Yi-An Lai <ul style="list-style-type: none"><li>Decoding-time Alignment for Large Language Models</li></ul>	05/2023 – 08/2023 Santa Clara, CA
<b>Tencent AI Lab</b> Research Scientist Intern, Mentor: Wenlin Yao, Kaiqiang Song, Hongming Zhang <ul style="list-style-type: none"><li>Interpretable Sentence Representation Learning via Compositional Operations</li></ul>	05/2022 – 08/2022 Bellevue, WA
<b>University of California, Los Angeles</b> Research Assistant, Advisor: Kai-Wei Chang <ul style="list-style-type: none"><li>Disentangling Semantics and Syntax in Sentence Embeddings</li></ul>	06/2020 – 01/2021 Los Angeles, CA

## AWARDS

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

## SERVICES

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Reviewer: ACL, EMNLP, NAACL, ICLR

## SKILLS

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Python, C/C++, Java, PyTorch, Matlab