

Pei Zhou

peiz@usc.edu

sites.google.com/g.ucla.edu/peizhou

Education	University of Southern California Ph.D. in Computer Science Co-advisors: Xiang Ren and Jay Pujara <i>Focus: Reasoning for Smooth Human-AI Communication with LMs</i>	Los Angeles, CA <i>Aug'19 – May'24 (expected)</i>
	University of California, Los Angeles B.S. in Mathematics of Computation	Los Angeles, CA <i>Sep'15 – Jun'19</i>
Research Experience	Google Research - Bard Research Intern, Mentors: Shyam Upadhyay and Manaal Faruqui Project: <i>Situated Reasoning with Theory-of-Mind in LLMs</i>	Mountain View, CA <i>May'23 – Aug'23</i>
	Allen Institute of Artificial Intelligence (AI2) - Mosaic Research Intern, Mentors: Prithviraj Ammanabrolu and Yejin Choi Project: <i>Generating Guidance in D&D with Intents and Theory-of-Mind RL</i>	Seattle, WA <i>May'22 – Aug'22</i>
	Amazon Alexa AI - Dialogue Modeling Team Applied Scientist Intern, Mentors: Yang Liu and Dilek Hakkani-Tur Project: <i>Commonsense Reasoning in Dialogue Response Generation</i>	Sunnyvale, CA <i>May'21 – Aug'21</i> <i>May'20 – Aug'20</i>
	UCLA-Research Lab Researcher, Mentor: Kai-Wei Chang Project: <i>Gender Bias in Word Embeddings</i>	Los Angeles, CA <i>Sep'17 – Jun'19</i>
Selected Publications	<p>[1] Pei Zhou Hyundong J. Cho, Pegah Jandaghi, Dong-Ho Lee, Bill Yuchen Lin, Jay Pujara, Xiang Ren I Cast Detect Thoughts: Learning to Converse and Guide with Intents and Theory-of-Mind in Dungeons and Dragons <i>In Proceedings of ACL 2023. Long Paper</i></p> <p>[2] Pei Zhou Hyundong J. Cho, Pegah Jandaghi, Dong-Ho Lee, Bill Yuchen Lin, Jay Pujara, Xiang Ren Reflect, Not Reflex: Inference-Based Common Ground Improves Dialogue Response Quality <i>In Proceedings of EMNLP 2022. Long Paper</i></p> <p>[3] Pei Zhou, Karthik Gopalakrishnan, Behnam Hedayatnia, Seokhwan Kim, Jay Pujara, Xiang Ren, Yang Liu, Dilek Hakkani-Tur Think Before You Speak: Explicitly Generating Implicit Commonsense Knowledge for Response Generation <i>In Proceedings of ACL 2022. Long Paper</i></p>	

- [4] **Pei Zhou**, Rahul Khanna, Seyeon Lee, Bill Yuchen Lin, Daniel Ho, Jay Pujara, Xiang Ren
RICA: Evaluating Robust Inference Capabilities Based on Commonsense Axioms
In Proceedings of EMNLP-main conference 2021. Long Paper
- [5] Ninareh Mehrabi*, **Pei Zhou***, Fred Morstatter, Jay Pujara, Xiang Ren, Aram Galstyan
Lawyers are Dishonest? Quantifying Representational Harms in Commonsense Knowledge Resources
In Proceedings of EMNLP-main conference 2021. Long Paper
- [6] **Pei Zhou**, Pegah Jandaghi, Hyundong Cho, Bill Yuchen Lin, Jay Pujara, Xiang Ren
Probing Commonsense Explanation in Dialogue Response Generation
In Proceedings of EMNLP-Findings 2021. Long Paper
- [7] **Pei Zhou**, Karthik Gopalakrishnan, Behnam Hedayatnia, Seokhwan Kim, Jay Pujara, Xiang Ren, Yang Liu, Dilek Hakkani-Tur
Commonsense-Focused Dialogues for Response Generation: An Empirical Study
In Proceedings of SIGDIAL 2021. Long Paper
- [8] Bill Yuchen Lin, Wangchunshu Zhou, Ming Shen, **Pei Zhou**, Chandra Bhagavatula, Yejin Choi, Xiang Ren
CommonGen: A Constrained Text Generation Challenge for Generative Commonsense Reasoning
In Proceedings of EMNLP 2020-Findings. Long Paper
- [9] **Pei Zhou**, Weijia Shi, Jieyu Zhao, Kuan-Hao Huang, Muhao Chen, Ryan Cotterell, Kai-Wei Chang
Examining Gender Bias in Languages with Grammatical Gender
In Proceedings of EMNLP-IJCNLP 2019. Long Paper
- [10] Weijia Shi*, Muhao Chen*, **Pei Zhou**, Kai-Wei Chang
Retrofitting Contextualized Word Embeddings with Paraphrases
In Proceedings of EMNLP-IJCNLP, 2019. Short Paper

Awards and Honors

Annenberg Fellowship	<i>2019-2023</i>
USC Graduate School Travel Award	<i>Nov. 2019</i>
ACL Student Research Workshop Travel Grant	<i>May. 2019</i>

	ICDM Student Travel Award	<i>Nov. 2018</i>
	Internet Research Initiative Prize,	<i>2018 – 2019</i>
	ASA Datafest Judge’s Choice Award	<i>May. 2018</i>
Professional Services	Co-Organizer: AI Rising Star Symposium 2019	
	Mentoring Committee: AAACL-IJCNLP SRW 2021	
	Program Committee (Reviewer): ACL Rolling Review 2021-2022, EMNLP 2021, ACL 2021, AAAI 2021, AAACL 2021, AKBC 2020, ICML 2020 (Invited), SoCalNLP Symposium 2019	
	External Reviewer: TACL2021, AAAI 2020, COLING 2020, NLPCC 2018, IEEE Big Data 2018	
Skills	Python, PyTorch, C++, TensorFlow, R, Matlab	