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Research Interests	Natural Language Processing, Spoken Dialogue Systems, Natural Language Understanding, Large Language Model		
Work Experien	ICE Amazon Alexa AI, Sunnyvale, CA, US	SA	
	Principal Applied Scientist	$October \ 2021$ -	
	Senior Applied Scientist	June 2019 - October 2021	
	Adobe Research, San Jose, CA, USA		
	NLP Research Scientist	July 2017 - May 2019	
	Institute for Infocomm Research (I2R), Singapore		
	Scientist	January 2012 - July 2017	
	Max Planck Institute for Informatics (MPI-INF), Saarbrucken, Germany		
	Research Intern	April 2011 - August 2011	
	Advisor: Prof. Gerhard Weikum		
	Pohang University of Science and Technology (POSTECH), Pohang, Korea		
	Research Assistant Advisor: Prof. Gary Geunbae Lee	September 2005 - December 2011	
Professional Experience	COLING 2022		
	Virtual Infrastructure Co-Chair	2022	
	IEEE SLT 2022		
	Challenge & Demonstration Co-Chair	- 2022	
	NSF Proposal Review Panel		
	Panelist	2022	
	IEEE Signal Processing Society		
	Speech and Language Processing Tech	nical Committee (SLTC) 2021	
	Special Interest Group on Discours Board Member	e and Dialogue (SIGdial) 2021	
	The Ninth Dialog System Technolo	gy Challenge (DSTC9)	
	Publicity Chair	2020	
	The Eighth Dialog System Technol	ogy Challenge (DSTC8)	
	Challenge Chair	2019	

	The Seventh Dialog System Technology Challenge (DSTC7)	0010	
	Steering Committee	2018	
	The Sixth Dialog System Technology Challenge (DSTC6) Organizing Committee	2017	
	The Fifth Dialog State Tracking Challenge (DSTC5) Organizing Committee	2016	
	The Fourth Dialog State Tracking Challenge (DSTC4) Organizing Committee	2015	
	The Ninth Asia Information Retrieval Societies Conference (AIRS 2013) Local Organizing Committee Co-chair	2013	
	ACL Special Workshop: Rediscovering 50 Years of Discoveries Publicity Committee Member	2012	
	AAAI, ACL, ACM-SIGIR, AI Magazine, CSL, CoNLL, EACL, EMNLP, I ASRU, IEEE ICASSP, IEEE SLT, IEEE/ACM TASLP, IJCAI, IJCNLP, terspeech, NAACL-HLT, NeurIPS Reviewer	ICLR, IEEE	
Education	Pohang University of Science and Technology (POSTECH), Pohang, Korea		
	Dissertation Topic: "Cross-Lingual Weakly-Supervised Learning of Semantic Re Advisor: Gary Geunbae Lee		
	Committee: Jong-hyeok Lee, Seung-jin Choi, Seung-won Hwang, Sung-Hyon M	yaeng	
	B.S., Computer Science and Engineering	August 2005	
Teaching Experience	Pohang University of Science and Technology (POSTECH), Pohang, Korea	Comin a 2010	
	Teaching Assistant CS101, Introduction to Computing	Spring 2010	
	Teaching Assistant CS421, Database System	Spring 2006	
Talks	Tutorials		
	Seokhwan Kim. "How Robust R U?": Evaluating Task-Oriented Dialogue Systems on Spoken Conversations. Invited Talk @ Hugging Face Audio Transformers Course Launch Event, 2023-06-14.		
	Seokhwan Kim. Summary of the Eighth Dialog System Technology Challenge (DSTC8). Invited Talk @ The Third Workshop on Reasoning and Learning for Human-Machine Dialogues (DEEP-DIAL 2020), 2020-02-08.		
	Seokhwan Kim. Just ask: An Interactive Learning Framework for Vision an Navigation. Invited Talk @ AI Assistant Summit (RE•WORK), 2020-01-30.	ad Language	

Rafael E. Banchs, Seokhwan Kim, Luis Fernando D'Haro, Andreea I. Niculescu. Natural Language in Human-Robot Interaction. Tutorial @ The 4th International Conference on Human-Agent Interaction (HAI 2016), 2016-10-04.

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Koichiro Yoshino, Yun-Nung Chen, Paul Crook, Satwik Kottur, Jinchao Li, Behnam Hedayatnia, Seungwhan Moon, Zhengcong Fei, Zekang Li, Jinchao Zhang, Yang Feng, Jie Zhou, Seokhwan Kim, Yang Liu, Di Jin, Alexandros Papangelis, Karthik Gopalakrishnan, Dilek Hakkani-Tur, Babak Damavandi, Alborz Geramifard, Chiori Hori, Ankit Shah, Chen Zhang, Haizhou Li, João Sedoc, Luis F. D'Haro, Rafael Banchs, Alexander Rudnicky. **Overview of the Tenth Dialog System Technology Challenge: DSTC10.** IEEE/ACM Transactions on Audio, Speech, and Language Processing, None (None), Jul 2023.

Di Jin, Shuyang Gao, Seokhwan Kim, Yang Liu, Dilek Hakkani-Tur. Towards Textual Outof-Domain Detection Without In-Domain Labels. IEEE/ACM Transactions on Audio, Speech, and Language Processing, 30 (1386-1395), Mar 2022.

Seokhwan Kim, Hannes Schulz, Chulaka Gunasekara, Chiori Hori, Abhinav Rastogi, Luis Fernando D'Haro. Editorial: Special Issue on the Eighth Dialog System Technology Challenge. IEEE/ACM Transactions on Audio, Speech, and Language Processing, 29 (2434-2436), Aug 2021.

Seokhwan Kim, Michel Galley, Chulaka Gunasekara, Sungjin Lee, Adam Atkinson, Baolin Peng, Hannes Schulz, Jianfeng Gao, Jinchao Li, Mahmoud Adada, Minlie Huang, Luis Lastras, Jonathan K. Kummerfeld, Walter S. Lasecki, Chiori Hori, Anoop Cherian, Tim K. Marks, Abhinav Rastogi, Xiaoxue Zang, Srinivas Sunkara, Raghav Gupta. Overview of the Eighth Dialog System Technology Challenge: DSTC8. IEEE/ACM Transactions on Audio, Speech, and Language Processing, 29 (2529-2540), May 2021.

Chiori Hori, Julien Perez, Ryuichi Higasinaka, Takaaki Hori, Y-Lan Boureau, Michimasa Inaba, Yuiko Tsunomori, Tetsuro Takahashi, Koichiro Yoshino, Seokhwan Kim. Overview of the Sixth Dialog System Technology Challenge: DSTC6. Computer Speech and Language, 55 (1-25), May 2019.

Seonghan Ryu, Seokhwan Kim, Junhwi Choi, Hwanjo Yu, Gary Geunbae Lee. Neural sentence embedding using only in-domain sentences for out-of-domain sentence detection in dialog systems. Pattern Recognition Letters, 88 (26-32), Mar 2017.

Seokhwan Kim, Minwoo Jeong, Jonghoon Lee, Gary Geunbae Lee. Cross-Lingual Annotation Projection for Weakly-Supervised Relation Extraction. ACM Transactions on Asian Language Information Processing, 13:1 (3), Feb 2014.

Seokhwan Kim, Minwoo Jeong, Gary Geunbae Lee. A Local Tree Alignment Approach to Relation Extraction of Multiple Arguments. Information Processing and Management, 47:4 (593-605), Jul 2011.

Cheongjae Lee, Sangkeun Jung, Seokhwan Kim, Gary Geunbae Lee. Example-based dialog modeling for practical multi-domain dialog system. Speech Communications, 51:5 (466-484), May 2009.

Sangkeun Jung, Cheongjae Lee, Seokhwan Kim, Gary Geunbae Lee. DialogStudio: A workbench for data-driven spoken dialog system development and management. Speech Communications, 50:8-9 (683-697), , Aug-Sep 2008.

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Vishakh Padmakumar, Behnam Hedayatnia, Di Jin, Patrick Lange, Seokhwan Kim, Nanyun Peng, Yang Liu, Dilek Hakkani-Tur. Investigating the Representation of Open Domain Dialogue Context for Transformer Models. Proceedings of the 24th Meeting of the Special Interest Group on Discourse and Dialogue (SIGDIAL 2023), Prague, Sep 2023.

Chao Zhao, Spandana Gella, Seokhwan Kim, Di Jin, Devamanyu Hazarika, Alexandros Papangelis, Behnam Hedayatnia, Mahdi Namazifar, Yang Liu, Dilek Hakkani-Tur . "What do others think?": Task-Oriented Conversational Modeling with Subjective Knowledge. Proceedings of the 24th Meeting of the Special Interest Group on Discourse and Dialogue (SIGDIAL 2023), Prague, Sep 2023.

Run Chen, Yang Liu, Alexandros Papangelis, Seokhwan Kim, Julia Hirschberg, Dilek Hakkani-Tur. Identifying Entrainment in Task-oriented Conversations. Proceedings of the 2023 IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP 2023), Rhodes Island, Jun 2023.

Yen Ting Lin, Alexandros Papangelis, Seokhwan Kim, Sungjin Lee, Devamanyu Hazarika, Mahdi Namazifar, Di Jin, Yang Liu, Dilek Hakkani-Tur. Selective In-Context Data Augmentation for Intent Detection using Pointwise V-Information. Proceedings of the 17th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2023), Dubrovnik, May 2023.

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Behnam Hedayatnia, Karthik Gopalakrishnan, Seokhwan Kim, Yang Liu, Mihail Eric, Dilek Hakkani-Tur. Policy-Driven Neural Response Generation for Knowledge-Grounded Dialog Systems. Proceedings of the 13th International Conference on Natural Language Generation (INLG 2020), Dublin, Dec 2020.

Wentian Zhao, Seokhwan Kim, Ning Xu, Hailin Jin. Video Question Answering on Screencast Tutorials. Proceedings of the 29th International Joint Conference on Artificial Intelligence and the 17th Pacific Rim International Conference on Artificial Intelligence (IJCAI-PRICAI 2020), pp 1061-1068, Yokohama, Jul 2020. (12.6% acceptance)

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Kunpeng Li, Chen Fang, Zhaowen Wang, Seokhwan Kim, Hailin Jin, Yun Fu. Screencast Tutorial Video Understanding. Proceedings of the 2020 IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR 2020), pp 12526-12535, Seattle, Jun 2020. (22.1% acceptance)

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Seokhwan Kim, Michel Galley, Chulaka Gunasekara, Sungjin Lee, Adam Atkinson, Baolin Peng, Hannes Schulz, Jianfeng Gao, Jinchao Li, Mahmoud Adada, Minlie Huang, Luis Lastras, Jonathan K. Kummerfeld, Walter S. Lasecki, Chiori Hori, Anoop Cherian, Tim K. Marks, Abhinav Rastogi, Xiaoxue Zang, Srinivas Sunkara, Raghav Gupta. The Eighth Dialog System Technology Challenge. Proceedings of the 3rd Conversational AI workshop: Today's Practice and Tomorrow's Potential (ConvAI 2019), Vancouver, Dec 2019.

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Ridong Jiang, Rafael Banchs, Seokhwan Kim, Luis Fernando D'Haro, Andreea Niculescu, Kheng Hui Yeo. Configuration of Dialogue Agent with Multiple Knowledge Sources. Proceedings of the Asia-Pacific Signal and Information Processing Association Annual Summit and Conference 2015 (APSIPA ASC 2015), Hong Kong, Dec 2015.

Luis Fernando D'Haro, Seokhwan Kim, Rafael E. Banchs. A Robust Spoken Q&A System with Scarce In-Domain Resources. Proceedings of the Asia-Pacific Signal and Information Processing Association Annual Summit and Conference 2015 (APSIPA ASC 2015), Hong Kong, Dec 2015.

Ridong Jiang, Seokhwan Kim, Rafael E. Banchs, Haizhou Li. Towards Improving the Performance of Vector Space Model for Chinese Frequently Asked Question. Proceedings of the 19th International Conference on Asian Language Processing (IALP 2015), Suzhou, Oct 2015.

Seokhwan Kim, Rafael E. Banchs, Haizhou Li. Wikification of Concept Mentions within Spoken Dialogues Using Domain Constraints from Wikipedia. Proceedings of the 2015 Conference on Empirical Methods in Natural Language Processing (EMNLP 2015), pp 2225-2229, Lisbon, Sep 2015. (24.0% acceptance)

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Kyusong Lee, Seonghan Ryu, Paul Hongsuck Seo, Seokhwan Kim, Gary Geunbae Lee. Grammatical Error Correction Based on Learner Comprehension Model in Oral Conversation. Proceedings of the 2014 IEEE Spoken Language Technology Workshop (SLT 2014), South Lake Tahoe, Dec 2014. Seokhwan Kim, Rafael E. Banchs. R-cube: a dialogue agent for Restaurant Recommendation and Reservation. Proceedings of the Asia-Pacific Signal and Information Processing Association Annual Summit and Conference 2014 (APSIPA ASC 2014), Siem Reap, Dec 2014.

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Ridong Jiang, Rafael E. Banchs, Seokhwan Kim, Kheng Hui Yeo, Arthur Niswar, Haizhou Li. Web-based Multimodal Multi-domain Spoken Dialogue System. Proceedings of the 5th International Workshop on Spoken Dialog Systems (IWSDS 2014), Napa, Jan 2014.

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SKILLSProgramming Languages: Python, C++, JavaMachine Learning Toolkits: PyTorch, TensorFlow, scikit-learn, SVM-Light, CRFsuiteNLP and IR Toolkits: NLTK, spaCy, Stanford CoreNLP, LuceneDatabases: MySQL, SQLite, MongoDB, Neo4j

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