## Jihyuk Kim

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RESEARCH	Natural Language Processing, Computational Linguistics	
INTERESTS	<ul> <li>Information Retrieval, Document/Passage Retrieval, Dense Retrieval</li> <li>Detrieval Augmented Approaches</li> </ul>	
	<ul><li>Retrieval-Augmented Approaches</li><li>Structures in Texts, Metadata for Text Understanding</li></ul>	
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EDUCATION	Yonsei University, Seoul, Korea Mar 2019 – Presen	t
	Ph.D. Student in Computer Science and Engineering	
	Supervisor: Prof. Seung-won Hwang	
	Yonsei University, Seoul, KoreaMar 2012 – Feb 2019	)
	B.S. in Computer Science and Engineering	
PUBLICATIONS	<ol> <li>Relevance-assisted Generation for Robust Zero-shot Retrieval Jihyuk Kim, Minsoo Kim, Joonsuk Park, and Seung-won Hwang.</li> <li>EMNL D. (Ledwater Track). Empirical Matheda in Natural Language Processing, 2022.</li> </ol>	
	<b>EMNLP</b> (Industry Track) - <i>Empirical Methods in Natural Language Processing</i> , 2023	
	<ul> <li>[2] Pseudo-Relevance for Enhancing Document Representation</li> <li>Jihyuk Kim, Seung-won Hwang, Seoho Song, Hyeseon Ko and Young-In Song.</li> <li>EMNLP - Empirical Methods in Natural Language Processing, 2022</li> </ul>	
	<ul> <li>[3] Collective Self-Labeling for Passage Retrieval Jihyuk Kim, Minsoo Kim, Seung-won Hwang.</li> <li>NAACL (Short) - North American Chapter of the Association for Computational Linguistics, 2022</li> </ul>	2
	<ul> <li>[4] Structure-Augmented Keyphrase Generation</li> <li>Jihyuk Kim, Myeongho Jeong, Seungtaek Choi, Seung-won Hwang.</li> <li>EMNLP - Conference on Empirical Methods in Natural Language Processing, 2021</li> </ul>	
	[5] Web Document Encoding for Structure-Aware Keyphrase Extraction	
	Jihyuk Kim, Young-In Song, Seung-won Hwang SIGIR (Short) - International ACM SIGIR Conference on Research and Development in Information Retrieval, 2021	1
	[6] Retrieval-Augmented Controllable Review Generation	
	Jihyuk Kim, Seungtaek Choi, Reinald Kim Amplayo, Seung-won Hwang COLING - International Conference on Computational Linguistics, 2020	
	[7] Categorical Metadata Representation for Customized Text Classification	
	<b>Jihyuk Kim</b> <sup>*</sup> , Reinald Kim Amplayo <sup>*</sup> , Kyungjae Lee, Sua Sung, Minji Seo, Seung-won Hwang (* equal contribution)	3
	<b>TACL</b> - Transactions of the Association for Computational Linguistics, 2019	
	[8] Cold-Start Aware User and Product Attention for Sentiment Classification Reinald Kim Amplayo, Jihyuk Kim, Sua Sung, Seung-won Hwang ACL - Annual Meeting of the Association for Computational Linguistics, 2018	
RESEARCH EXPERIENCE	<b>Research Intern</b> at NAVER Search (Supervisor: Dr. Young-In Song)Jul 2020- Aug 2020• Project: Web Document Encoding for Structure-Aware Keyphrase Extraction (published at SIGIR 2021)	)
	Applied Scientist Intern at Amazon, Alexa AI (Manager: Dr. Sungjin Lee)Jun 2022- Sep 2022• Project: Leveraging complementary strength between parametric and non-parametric approaches	2
	<ul> <li>Research Intern at NLP group, Microsoft Research Asia (Mentor: Dr. Tao Ge) Nov 2022- Apr 2023</li> <li>Project: Self-Improving Query-Document Matching for Zero-shot Retrieval</li> </ul>	3
	Applied Scientist Intern at Amazon, Alexa AI (Manager: Dr. Sungjin Lee)Jun 2023- Sep 2023• Project: Improving comprehensiveness and verifiability of long-form answers (work in progress)	3

AWARDS & SCHOLARSHIPS	<ul> <li>Outstanding Reviewer at ACL 2021</li> <li>Computer Science Department Scholarship at Yonsei University 2018-2021</li> <li>Korean Government Scholarship Program (BK21+) at 2019</li> </ul>
PROFESSIONAL SERVICES	ARR 2023 July Reviewer, ARR 2022 Jan/March/June/July Reviewer, ACL 2021 Reviewer, EMNLP 2021 Reviewer, SIGIR 2021 Student Volunteer
SKILLS	Programming Languages: Python, C, C++ Libraries: PyTorch
REFERENCES	Seung-won Hwang, Ph. D. Professor, Department of Computer Science and Engineering, Seoul National University