

# SANGPIL YOUM

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## EDUCATION

<b>University of Florida, Gainesville, FL, USA</b> <i>Ph D. in Computer Science</i>	May 2022 - Expected: August 2026
<b>Indiana University, Bloomington, IN, USA</b> <i>Master of Science in Data Science</i>	Advisor: Bonnie J. Dorr May 2021
<b>SungKyunKwan University, Seoul, South Korea</b> <i>Bachelor in Library and Information Science, Data Science</i>	Feb 2019

## PUBLICATIONS

- **Youm, S.**, Cheeun Han, Hojeong Yoo, Sou Hyun Jang, Bonnie Dorr. “I Still Need Your Help”: Online Information Seeking Behavior Among International Students on Reddit, PLOS One, 2026. *To appear*
- **Youm, S.**, Leah Jones, Bonnie Dorr. Revisiting Semantic Role Labeling: Modernizing for Structure, Speed, and Multilinguality, submitted to LREC
- **Youm, S.**, Brodie Mather, Chathuri Jayaweera, Juliana Prada, Bonnie Dorr. DAHRS: Divergence-Aware Hallucination-Remediated SRL Projection. *The 29th International Conference on Natural Language & Information Systems (NLDB)*. 2024. *Paper Link*
- Khan, Y., Xinlei Wu, **Sangpil Youm**, Justin Ho, Aryaan Mehboob Shaikh, Jairo Garciga, Rohan Sharma, and Bonnie Dorr. DETQUS: Decomposition-Enhanced Transformers for QUery-focused Summarization, in *Proceedings of the 2025 Annual Conference of the Nations of the Americas Chapter of the Association for Computational Linguistics (NAACL)*, 2025. *Paper Link*
- Jayaweera, C., **Sangpil Youm**, Bonnie Dorr. AMREx: AMR for Explainable Fact Verification in *Proceedings of the Seventh Fact Extraction and VERification Workshop (FEVER) on Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2024. *Paper Link*
- Zhang, D., Bushi Xiao, Chao Gao, **Sangpil Youm**, and Bonnie Dorr. Modeling Bilingual Sentence Processing: Evaluating RNN and Transformer Architectures for Cross-Language Structural Priming in *Proceedings of the Fourth Workshop on Multilingual Representation Learning (MRL 2024) on Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2024. *Paper Link*
- Martinez, M., Sonja Schmer-Galunder, Zoey Liu, **Sangpil Youm**, Chathuri Jayaweera, and Bonnie Dorr. Balancing Transparency and Accuracy: A Comparative Analysis of Rule-Based and Deep Learning Models in Political Bias Classification in *Proceedings of the Second Workshop on Social Influence in Conversations (SICon 2024) on Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2024. *Paper Link*

## WORK EXPERIENCE

<b>Instructor</b> <i>Department of Computer and Information Science and Engineering at University of Florida</i>	Spring 2024
• Designed and taught Natural Language Processing (CAI 6307), covering syntax, semantics, and large language models (LLMs), with emphasis on real-world applications	
• Led semester-long team-based projects, including: Tabular-based question answering models, Political bias classification systems, Bilingual sentence processing, with student work resulting in publications at NLP conferences	
<b>Graduate Teaching Assistant</b> <i>Department of Computer and Information Science and Engineering at University of Florida</i>	Jan 2023 – Present
• Supported instruction for Natural Language Processing (CAP 4641), spanning classical NLP methods through modern LLMs	
• Managed GPU-based developing environments using the University of Florida’s high-performance computing infrastructure	
<b>Graduate Research Assistant</b> <i>Department of Computer and Information Science and Engineering at University of Florida</i>	Mar 2022 – Present
• Developed a modernized Semantic Role Labeling (SRL) model improving efficiency and robustness	
• Approximately $\approx X10$ speed up in modernized SRL model and 13% accuracy improvement in cross-lingual SRL compared to prior baselines	
<b>Graduate Researcher</b> <i>Wissee</i>	Oct 2020 – May 2021
• Developed an LSTM-CRF model for Named Entity Recognition (NER) on real-world data	
• Achieved 69.3% F1 score under noisy and domain-specific conditions	