

SANGPIL YOUM

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EDUCATION

University of Florida, Gainesville, FL, USA

Ph D. in Computer Science

May 2022 - Expected: August 2026

Advisor: Bonnie J. Dorr

Indiana University, Bloomington, IN, USA

May 2021

Master of Science in Data Science

SungKyunKwan University, Seoul, South Korea

Feb 2019

Bachelor in Library and Information Science, Data Science

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

Instructor

Spring 2024

Department of Computer and Information Science and Engineering at University of Florida

- 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

Graduate Teaching Assistant

Jan 2023 – Present

Department of Computer and Information Science and Engineering at University of Florida

- 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

Graduate Research Assistant

Mar 2022 – Present

Department of Computer and Information Science and Engineering at University of Florida

- 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

Graduate Researcher

Oct 2020 – May 2021

Wisee

- 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