

# SANGPIL YOUM

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## EDUCATION

**University of Florida, Gainesville, FL, USA**

*Ph D. in Computer Science*

**Indiana University, Bloomington, IN, USA**

*Master of Science in Data Science*

**SungKyunKwan University, Seoul, South Korea**

*Bachelor in Library and Information Science, Data Science*

May 2022 - Expected: August 2026

Advisor: Bonnie J. Dorr

May 2021

Feb 2019

## PUBLICATIONS

- **Youm, S.**, Chaeun Han, Hojeong Yoo, Sou Hyun Jang, Bonnie Dorr. “I Still Need Your Help”: Online Information Seeking Behavior Among International Students on Reddit, *Public Library of Science One (PLOS One)*, to appear, 2026.
- **Youm, S.**, Sou Hyun Jang, Haewoon Kwak, Jaeyoung Choi, Yong Jeong Yi. Cross-Cultural Differences in Public Discourse on COVID-19 Vaccination in the U.S. and South Korea: Cross-Sectional Analysis Using Natural Language Processing, *Journal of Medical Internet Research (JMIR) Formative Research*, to appear, 2026.
- **Youm, S.**, Leah Jones, Bonnie Dorr. Revisiting Semantic Role Labeling: Modernizing for Structure, Speed, and Multilinguality, submitted to LREC
- Khan, Y., Xinlei Wu, **Sangpil Youm**, Justin Ho, Aryaan Mehboob Shaikh, Jairo Garciga, Rohan Sharma, Bonnie Dorr. DETQUS: Decomposition-Enhanced Transformers for QUery-focused Summarization, *Proceedings of NAACL*, New Mexico, pp. 2720–2731, 2025. [Paper Link](#)
- Coggins, W., Jasmine McKenzie, **Sangpil Youm**, Pradham Mummaleti, Juan Gilbert, Eric Ragan, Bonnie Dorr. That Ain’t Right: Assessing LLM Performance on QA in African American and West African English Dialects, *Proceedings of the 9th Widening NLP Workshop, EMNLP*, Suzhou, China, pp. 123–129, 2025. [Paper Link](#)
- **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)*, Turin, Italy, pp. 423–438, 2024. [Paper Link](#)
- Jayaweera, C., **Sangpil Youm**, Bonnie Dorr. AMREx: AMR for Explainable Fact Verification, *Proceedings of the Seventh Fact Extraction and VERification Workshop (FEVER)*, *EMNLP*, Miami, pp. 234–244, 2024. [Paper Link](#)
- Zhang, D., Bushi Xiao, Chao Gao, **Sangpil Youm**, Bonnie Dorr. Modeling Bilingual Sentence Processing: Evaluating RNN and Transformer Architectures for Cross-Language Structural Priming, *Proceedings of the Fourth Workshop on Multilingual Representation Learning (MRL 2024)*, *EMNLP*, Miami, pp. 127–136, 2024. [Paper Link](#)
- Martinez, M., Sonja Schmer-Galunder, Zoey Liu, **Sangpil Youm**, Chathuri Jayaweera, Bonnie Dorr. Balancing Transparency and Accuracy: A Comparative Analysis of Rule-Based and Deep Learning Models in Political Bias Classification, *Proceedings of the Second Workshop on Social Influence in Conversations (SICon 2024)*, *EMNLP*, Miami, pp. 102–115, 2024. [Paper Link](#)

## PRESENTATIONS

- **Youm, S.**, Nari Yoo, Sou Hyun Jang. July 2024. Beyond Positive or Negative: How Mixed Emotions on Reddit Predict Depressive Symptoms in Asian American Families. *10th International Conference on Computational Social Science (IC2S2)*

## 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 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