

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

Master of Science in Data Science

May 2021

SungKyunKwan University, Seoul, South Korea

Bachelor in Library and Information Science, Data Science

Feb 2019

PUBLICATIONS

- Youm, S., Chaeeun 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

Wissee

- 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