Yisi Sang

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RESEARCH INTERESTS

Human-Centered Natural Language Processing, Human-Computer Interaction, Psychometrics

EDUCATION

2018-2022 (Anticipated)	**Ph.D. in Information Science and Technology** Syracuse University, NY Dissertation: Benchmarking and Modeling of Machines' Character Understanding in Stories Advisor: Jeffrey Stanton Committee: Daniel Acuña, Bei Yu, Mo Yu
2016- 2017	**M.S. in Teaching & Curriculum, School of Education** Syracuse University, NY
2011- 2015	**B.A. in German, Minor in Psychology** Northwestern Polytechnical University, Shaan Xi

PROFESSIONAL EXPERIENCE

2022 -	**Northeastern University**, Part-time Teaching Professor Teaching course ITC6410 Fundamentals of Human Behaviors for Interactive Systems
2022 summer	**Fidelity Investments**, Data Scientist Intern Evaluating the bias problem of NLP models applied in finance
2022 -	**Natural Language Generation, Evaluation, and Metrics (GEM)** Designing human evaluations and crowdsourcing annotation interfaces for machine-generated summarizations
2020 -	**Syracuse University**, Graduate Assistant Hate speech annotation [C3] Designing benchmark tasks for machine reading comprehension [C6-C9] Analyzing and creating statistical representation of corpora [J2]
2018-2020	**Syracuse University,** Research Assistant User study of malicious selling strategies in livestream shopping [J3] Knowledge sharing analysis in online communities [J1, C1]

User study of a location sensing system *SU Connection* [C2, S2]

PUBLICATIONS

Peer-reviewed Conference and Journal Publications

* C denotes conference, J denotes Journal, and S represents workshops

2022   C9 **Sang, Y**., Mou, X., Yu, M., Li, J., D, Wang, &Stanton, J., (2022) Machine
              Narrative Comprehension in Fictional Characters Personality Prediction
              Tasks. in press *NAACL SRW 2022*

           C8 **Sang, Y**., Mou, X., Yu, M., Li, J., &Stanton, J., (2022) A Survey of Machine
              Narrative Reading Comprehension Assessments. in press *IJCAI 2022*

           C7 **Sang, Y**., Mou, X., Yu, M., Li, J., &Stanton, J., (2022) TVSHOWGUESS:
              Character Comprehension in Stories as Speaker Guessing. in press *NAACL
              2022*

           C6 Xu, Y., et al. (2022). Fantastic Questions and Where to Find Them:
              FairytaleQA— An Authentic Dataset for Narrative Comprehension. in press
              ACL 2022

           C5 **Sang, Y**., & Stanton, J. (2022). The Origin and Value of Disagreement Among
              Data Labelers: A Case Study of Individual Differences in Hate Speech
              Annotation. *In International Conference on Information (pp. 425-444). Springer,
              Cham.*

2021   C4 **Sang, Y.,** Liang, L. & Stanton, J. (2021). Content Moderation of Speech in
              Political Discussions. *Proceedings of the Association for Information Science and
              Technology*

2020   C3 **Sang, Y.,** & Stanton, J. (2020). Analyzing Hate Speech with Incel-Hunters'
              Critiques. In *International Conference on Social Media and Society* (pp. 5-13).

2019   C2 Huang, Y., **Sang, Y**., Wu, Q., & Yao, Y. (2019). Higher Education Check-Ins:
              Exploring the User Experience of Hybrid Location Sensing. *In Proceedings of
              the ACM on Human-Computer Interaction (CSCW).*

           J1 Wu, Q., **Sang, Y**., & Huang, Y. (2019). Danmaku: A New Paradigm of Social
              Interaction via Online Videos. *ACM Transactions on Social Computing, 2(2), 7.*

2018   C1 Wu, Q., **Sang, Y**., Zhang, Shan, & Huang, Y. (2018). Danmaku vs. Forum
              Comments: Understanding User Participation and Knowledge Sharing in
              Online Videos. *In Proceedings of the 2018 ACM Conference on Supporting
              Groupwork*

Workshop Papers, Posters & Demos

2022	S3	Stanton, J., **Sang, Y**. & Ramnarine-Rieks, A. (2022). Automated Analysis of Item Content: Influences on the Quality of Self Report Scales. *Accepted by the Society for Industrial and Organizational Psychology (SIOP) annual meeting 2022.*
2019	S2	Huang, Y., **Sang, Y.**, Wu, Q., & Yao, Y. (2019). Studying User Experience of a Hybrid Location Sensing System. *In Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems.*
2019	S1	**Sang, Y.**, Huang, Y. (2019). Understanding Digital Wellbeing Systems through the Lens of the Theory of Planned Behavior (TPB). *In Proceedings of ACM CHI conference*

Paper in Submission

2022	C10	**Sang, Y.**, Yu, M., Pu, K., Wei, Z., Li, Wang, H., J., Yu, Y.& Stanton, J., MovieGuess: An Assessment to Meta-Learning of Fictional Characters' Theory-of-Mind *Submitted to NeurIPS22*
2021	J3	Wu, Q., **Sang, Y.**, Wang, D., & Lu, Z. (2021). Malicious Selling Strategies in Livestream Shopping: A Cast Study of Alibaba's Taobao and ByteDance's Douyin. *Submitted to TOCHI*
2021	J2	Stanton, J., & **Sang, Y**. Assessing Topical Homogeneity with Word Embedding. *Submitted to Journal of Knowledge Management*

SERVICE

2021	Reviewer, NAACL
2020	Reviewer, International Conference on Information Systems (ICIS)
	Reviewer, CHI Late Breaking
2019	Student Volunteer, CSCW
	Reviewer, Designing Interactive Systems (DIS)
	Reviewer, CHI Late Breaking
	Reviewer, iConference

TEACHING

2022	**ITC6410 Fundamentals of Human Behaviors for Interactive**
	Lecturer, Northeastern University
2021	**IST736 Text Mining**
	Guest Lecturer, Syracuse University
2020	**IST687 Introduction to Data Science**
	Teaching Assistant, Syracuse University
2019	**IST649 Human Interactions W/Computers**

2017	*Teaching Assistant*, Syracuse University **EDU647 Statistical Thinking & Application** *Teaching Associate*, Syracuse University
2015	**Mental Health Management** *Instructor,* Beijing Institute of Technology, School of Continuing Education

CERTIFICATE

Psychometrics WISC-IV Chinese Version Administrator (Intelligence Assessment)
ABAS-II Chinese Version Administrator (Behavior Assessment)
Autism Diagnostic Observation Schedule (ADOS-2))

SKILLS

Programming Language: Python, R, SQL

Tools: Pytorch, Scikit-Learn, Git

Statistics: Regression Analysis, Structural Equation Modeling (SEM), Factor Analysis (FA) including Path Analysis, Exploratory (EFA) and Confirmatory Factor Analysis (CFA)

GRANTS

2022	Student Travel Grant NAACL 2022, $700
2021	CUSE Grant, Syracuse University, $27,937
2019	Award winning proposal of CCDS seed funding, $2,000