

Dr. Lingzi Hong
Assistant Professor
Department of Information Science
College of Information
University of North Texas
E292E, 3940 N Elm St, Denton, 76207 TX

Education

University of Maryland College Park, MD, US	Ph.D. Information Science	2014 — 2019
Beijing Normal University, Beijing, China	M.S. Information Science	2011 — 2014
Beijing Normal University, Beijing, China	B.A. Information Management	2007 — 2011

Professional Experience

Assistant Professor	Dept. of Information Science, University of North Texas	2019 — current
Data Fellow	United Nations Global Pulse	2018 — 2019
Research Assistant	iSchool, University of Maryland College Park	2014 — 2019
Research Data Science Intern	Data Science for Social Good, Georgia Institute of Technology	2017 — 2017

Publications

(Students under my supervision are underlined)

In Progress

Perez, S., Song, X., & **Hong, L.** (2024). Analyzing the Language of Rejection: A Study of User Flagging Responses to Hate Speech on Reddit. (Poster submission to ASIS&T 2024)

Kim, J., **Hong, L.**, & Yoon, A. (2024). University students' self-assessment of data literacy: A validation study. (Submitted to PLOS One)

Zhang, X., **Hong, L.**, Huraysi, M., & Perez, S. (2024). Exploring the Forces Driving ChatGPT Diffusion on X (Twitter): An Integrated Theoretical Perspective. (Submitted to Journalism & Mass Communication Quarterly)

Kim, J., Rice-Oyler, E., Evans, S., & **Hong, L.** (2024). Data Literacy in Flux: Perspectives of Community College Librarians on Evolving Educational Demands and Library Capacities. (Submitted to Library Information Science Research)

Hong, L., Luo, P., Blanco, E. & Song, X. (2024). Outcome-Constrained Large Language Models in Countering Hate Speech (submitted to EMNLP 2024)

Volverthi, N.*, Prybutok, V., Prybutok, G., & **Hong, L.** (2024). Usage and Adoption of Patient Portals: A Systematic Literature Review on Approaches to Reduce Health Disparities. (Submitted to International Journal of Electronic Healthcare, minor revision)

Song, X., Yu, X., Chen, J., & **Hong, L.** (2024). Predicting Hater Re-entry Behaviors Following Replies to Hate (Work-in-progress)

Zelege, M., **Hong, L.**, & Smith, D. (2023). Analysis of Western and African Views on the NoMore Movement through Social Media Data. (Work-in-progress)

Book Chapter

B.1 Kim, J., Davis, T., & Hong, L. (2022). Augmented Intelligence: Enhancing Human Decision Making. In *Bridging Human Intelligence and Artificial Intelligence*, edited by Albert, M., Lin, L., Spector, M., & Dunn, L. Springer. DOI: 10.1007/978-3-030-84729-6_10

Peer-reviewed Journal Publications

(Corresponding Author*)

J.14 Kim, J.*, Hong, L., & Evans, S. (2024). Towards Measuring Data Literacy for Higher Education: Developing and Validating a Self-efficacy Data Literacy Scale. (Accepted by *Journal of the Association for Information Science and Technology*) (IF=3.80)

J.13 Ververthi, N.*, Prybutok, V., Prybutok, G., & Hong, L. (2023). Influence of risk factors on the adoption intentions of emerging adults towards patient portals. *Decision Making and Analysis 1* (1), 48-56. <https://doi.org/10.55976/dma.12023119048-56>

J.12 Evans, S. A., Hong, L., Kim, J.*, Rice-Oyler, E., & Ali, I. (2023). Community college students' self-assessment of data literacy: exploring differences amongst demographic, academic, and career characteristics. *Information and Learning Sciences*. <https://doi.org/10.1108/ILS-06-2023-0065> (IF=4.0)

J.11 Ververthi, N.*, Prybutok, V., & Hong, L. (2023). An Emerging Adults' Patient Portal Behavioral Model: Integrating Perceived Risk Theory, Technology Acceptance Model, and Personal Innovativeness. *International Journal of Human-Computer Interaction*, 1-14. DOI: 10.1080/10447318.2023.2254628 (IF=4.7)

J.10 Aoyama, K.*, Hong, L., Flege, J. E., Akahane-Yamada, R., & Yamada, T. (2023). Relationships Between Acoustic Characteristics and Intelligibility Scores: A Reanalysis of Japanese Speakers' Productions of American English Liquids. *Language and Speech*, 00238309221140910. DOI: 10.1177/00238309221140910 (IF=1.8)

J.9 Ryan, S. E.*, Hong, L., & Rashid, M. (2023). From corpus creation to formative discovery: the power of big-data-rhetoric teams and methods. *Review of Communication*, 23(1), 38-61. DOI: 10.1080/15358593.2022.2119094

J.8 Ye, G.*, Peng, Z., Wei, J., Hong, L., Li, S. and Wu, C. (2022). Dynamic sentiment sensing of cities with social media data. *The Electronic Library*, 40(4), pp. 413-434. <https://doi.org/10.1108/EL-03-2022-0064> (IF=1.7)

J.7 Ali, I.*, Hong, L., & Chen, J. (2022). Remote cataloging productivity: an exploratory study in a national library. *Library Management*, 43(6/7), 401-414. DOI: 10.1108/lm-12-2021-0109 (IF=1.2)

J.6 Kahanek, A., Yu, X., Hong, L.*, Cleveland, A., & Philbrick, J. (2021). Temporal Variations and Spatial Disparities in Public Sentiment Toward COVID-19 and Preventive Practices in the United States: Infodemiology Study of Tweets. *JMIR Infodemiology*, 1(1), e31671. DOI: 10.2196/31671

J.5 Cheng, W., Wu, J., Moen, W., & Hong, L*. (2021). Assessing the Spatial Accessibility and Spatial Equity of Public Libraries' Physical Locations. *Library and Information Science Research*, 43 (2). DOI: 10.1016/j.lisr.2021.101089 (IF=3.1)

J.4 Hong, L.*, Moen, W., Yu, X., & Chen, J. (2020). The Disciplinary Research Landscape of Data Science Reflected in Data Science Journals. *Information Discovery and Delivery*. <https://doi.org/10.1108/IDD-06-2020-0071> (IF=2.2)

J.3 Hong, L., & Frias-Martinez, V.* (2020). Modeling and Predicting Evacuation Flows during Hurricane Irma. *EPJ Data Science*, 9(1), 29. <https://doi.org/10.1140/epjds/s13688-020-00247-6> (IF=3.6)

J.2 **Hong, L.**^{*}, Fu, C., Wu, J., & Frias-Martinez, V. (2018). Information Needs and Communication Gaps between Citizens and Local Governments Online during Natural Disasters. *Information Systems Frontiers*, vol 20(5), pp. 1027-1039. Springer. <https://doi.org/10.1007/s10796-018-9832-0> (IF: 5.9)

J.1 Hernandez, M.^{*}, **Hong, L.**, Frias-Martinez, V., & Frias-Martinez, E. (2017). Estimating poverty using cell phone data: evidence from Guatemala. *Policy Research Working Papers*. The World Bank. <https://doi.org/10.1596/1813-9450-7969>

Peer-reviewed Conferences Publications

(All are regular long papers except noted ones)

C.29 Jothiraj, F., **Hong, L.** & Mashhadi, A. (2023). Nostalgia on Twitter: Detection and Analysis of a Large-Scale Dataset. (Accepted by ASIS&T 2024, AR=32%)

C. 28 Dinh, L., Hong, L., Dumas, C., Patin, B., Ghosh, S., Li, L., & Khoury, C. (2024) Social Media and Crisis Informatics Research in LIS (Panel) (Accepted by ASIS&T 2024)

C. 27 Yu, X., Blanco, E., & **Hong, L.** (2024). Hate Cannot Drive out Hate: Forecasting Conversation Incivility of Replies to Hateful Content. (Accepted by the International AAAI Conference on Web and Social Media (ICWSM) 2024) (AR=20%)

C.26 **Hong, L.**, Roeschley, A., & Yunfei D. (2024). Mapping Areas in Need of Immigrant-Focused Crisis Support. *iConference 2024 Proceedings*. (Poster) (**Best Poster Award Finalist**)

C.25 Yu, X., Zhao, A., Blanco, E., & **Hong, L.** (2023, December). A Fine-Grained Taxonomy of Replies to Hate Speech. In *Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP)* (pp. 7275-7289). 10.18653/v1/2023.emnlp-main.450 (AR=25%)

C.24 Dumas, C., Ghosh, S., **Hong, L.**, Karami, A., & Vaidya, P. (2023). Online Incivility and Contextual Factors: Data-Driven Detection and Analysis. *Proceedings of the Association for Information Science and Technology (ASIS&T)*, 60(1), 770-774. <https://doi.org/10.1002/pa2.858> (Panel)

C.23 Kim, J., **Hong, L.**, Evans, S., Oyler-Rice, E., & Ali, I. (2023). Development and validation of a data literacy assessment scale. *Proceedings of the Association for Information Science and Technology (ASIS&T)*, 60(1), 620-624. DOI: 10.1002/pa2.827 (Short paper)

C.22 Velverthi, N. R., Prybutok, V., & **Hong, L.** (2023). Investigating Factors Affecting Emerging Adult's Usage of Patient Portals. *iConference 2023 Proceedings*. <https://hdl.handle.net/2142/117372> (Poster)

C.21 Zelege, M., **Hong, L.**, Kaz-Onyeakazi, I., Smith, D., Milburn, S., & Esener, Y. (2023). # NoMore: An Analysis of Topics and Sentiments Indicative of the War in Ethiopia. *iConference 2023 Proceedings*. <https://hdl.handle.net/2142/117377> (Poster) (**Best Poster Award Finalist**)

C.20 Gao, L., **Hong, L.**, & Mashhadi, A. (2022). Nostalgic Analysis of Location Based Tweets. In *International Conference on Social Informatics (SocInfo)* (pp. 406-413). Springer, Cham. DOI: 10.1007/978-3-031-19097-1_27 (Short paper)

C.19 Luo, P., **Hong, L.**, Wang, J., Wang, S., Guo, X., Gao, Z., & Cho, S. W. (2022). Learning Domain-specific Semantic Representation from Weakly Supervised Data to Improve Research Dataset Retrieval. *Proceedings of the Association for Information Science and Technology (ASIS&T)*, 59(1), 205-214. <https://doi.org/10.1002/pa2.616> (AR=32%)

C.18 Yu, X., Mashhadi, A., Boy, J., Nielsen, R. C., & **Hong, L.** (2022). Causal Impact Model to Evaluate the Diffusion Effect of Social Media Campaigns. In *Proceedings of 20th European Conference on Computer-*

Supported Cooperative Work. European Society for Socially Embedded Technologies (EUSSET). DOI: 10.48340/ECSCW2022_EP10

C.17 Yu, X., Xie, Z., Mashhadi, A., & **Hong, L.** (2022, June). Multi-task Models for Multi-faceted Classification of Pandemic Information on Social Media. In *14th ACM Web Science Conference 2022* (pp. 327-335). DOI: 10.1145/3501247.3531552 (Acceptance Rate: 37%)

C.16 Yu, X., Boy, J., Nielsen, R. C., & **Hong, L.** (2022, May). Linguistic Characteristics of Social Media Messages Spreading across Geographic and Linguistic Boundaries. In *ECSM 2022 9th European Conference on Social Media*. Academic Conferences and publishing limited.

C.15 Yu, X., Blanco, E., & **Hong, L.** (2022, July). Hate Speech and Counter Speech Detection: Conversational Context Does Matter. In *Proceedings of the 2022 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL)* (pp. 5918-5930). DOI: 10.18653/v1/2022.naacl-main.433 (Acceptance Rate: 26%)

C.14 Nguyen, H., Nie, D., Badamdorj, T., Liu, Y., **Hong, L.**, Truong, J., & Cheng, L. (2022). Eddie-Transformer: Enriched Disease Embedding Transformer for X-Ray Report Generation. In *IEEE International Symposium on Biomedical Imaging (ISBI)*. DOI: 10.1109/isbi52829.2022.9761459 (Acceptance Rate: 35%)

C.13 Xie, Z., Jayanth, A., Yadav, K., Ye, G., & **Hong, L.** (2021, July). Multi-faceted Classification for the Identification of Informative Communications during Crises: Case of COVID-19. In *2021 IEEE 45th Annual Computers, Software, and Applications Conference (COMPSAC)* (pp. 924-933). IEEE. DOI: 10.1109/compsac51774.2021.00125 (Acceptance Rate: 27%)

C.12 Yu, X., Daida, S., Boy, J. & **Hong, L.** (2020, October). The Effect of Structural Affinity on the Diffusion of a Transnational Online Movement: The Case of #MeToo. In *International Conference on Social Informatics* (pp. 447-460). Springer, Cham. https://doi.org/10.1007/978-3-030-60975-7_33 (Acceptance Rate: 33%)

C.11 Yu, X., Daida, S., Bentula, L. & **Hong, L.** (2020). Characteristics of Information Spreading across Nations. In *Proceedings of the Association for Information Science and Technology*, 57(1). <https://doi.org/10.1002/pr2.309> (Short paper)

C.10 **Hong L.**, Wu J., Zou Z. (2020) Spatial Accessibility and Equity of Public Libraries in Urban Settings. In: Sundqvist A., Berget G., Nolin J., Skjerdingsstad K. (eds) Sustainable Digital Communities. *iConference 2020*. Lecture Notes in Computer Science, vol 12051. Springer, Cham. https://doi.org/10.1007/978-3-030-43687-2_45 (Short paper)

C.9 Wu, J., **Hong, L.**, & Frias-Martinez, V. (2019). Predicting Perceived Level of Cycling Safety for Cycling Trips. In *Proceedings of the 27th ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems* (pp. 456-459). <https://doi.org/10.1145/3347146.3359092> (Poster)

C.8 **Hong, L.**, Wu, J., Frias-Martinez, E., Villareal, A., & Frias-Martinez, V. (2019). Characterization of Internal Migrant Behavior in the Immediate Post-Migration Period using Cell Phone Traces. In *the Tenth International Conference on Information and Communication Technologies and Development (ICTD 19)*. ACM. 10.1145/3287098.3287119 (Acceptance Rate: 28%)

C.7 Wu, J., **Hong, L.**, & Frias-Martinez, V. (2018, December). Predicting Perceived Cycling Safety Levels Using Open and Crowdsourced Data. In *2018 IEEE International Conference on Big Data (Big Data)* (pp. 1669-1676). IEEE. 10.1109/BigData.2018.8622291 (Short paper)

C.6 **Hong L.**, Lee M., Mashhadi A., Frias-Martinez V. (2018) Towards Understanding Communication Behavior Changes During Floods Using Cell Phone Data. In: Staab S., Koltsova O., Ignatov D. (eds) Social Informatics.

SocInfo 2018. Lecture Notes in Computer Science, vol 11186, pp. 97-107. Springer, Cham.
https://doi.org/10.1007/978-3-030-01159-8_9 (Short paper)

C.5 **Hong, L.**, Fu, C., Torrens, P., & Frias-Martinez, V. (2017, June). Understanding Citizens' and Local Governments' Digital Communications During Natural Disasters: The Case of Snowstorms. In *Proceedings of the 2017 ACM on Web Science Conference* (pp. 141-150). ACM. <http://dx.doi.org/10.1145/3091478.3091502>
(Acceptance Rate: 35%)

C.4 **Hong, L.**, Frias-Martinez, E., & Frias-Martinez, V. (2016, February). Topic Models to Infer Socio-Economic Maps. In *Thirtieth AAAI Conference on Artificial Intelligence* (pp.3835-3841). AAAI.
<https://www.aaai.org/ocs/index.php/AAAI/AAAI16/paper/view/11757> (Acceptance Rate: 26%)

C.3 **Hong L.**, Yang W., Resnik P., Frias-Martinez V. (2016) Uncovering Topic Dynamics of Social Media and News: The Case of Ferguson. In: Spiro E., Ahn YY. (eds) Social Informatics. *SocInfo 2016*. Lecture Notes in Computer Science, vol 10046, pp. 240-256. Springer, Cham. https://doi.org/10.1007/978-3-319-47880-7_15
(Acceptance Rate: 27.5%)

C.2 He J., **Hong L.**, Frias-Martinez V., Torrens P. (2015) Uncovering Social Media Reaction Pattern to Protest Events: A Spatiotemporal Dynamics Perspective of Ferguson Unrest. In: Liu TY., Scollon C., Zhu W. (eds) Social Informatics. *SocInfo 2015*. Lecture Notes in Computer Science, vol 9471, pp. 67-81. Springer, Cham
https://doi.org/10.1007/978-3-319-27433-1_5 (Acceptance Rate: 45%)

C.1 Nie, D., **Hong, L.**, & Zhu, T. (2013, December). Movie Recommendation Using Unrated Data. In *12th International Conference on Machine Learning and Applications (ICMLA)*, Vol. 1, pp. 344-347. IEEE.
<https://doi.org/10.1109/ICMLA.2013.70>

Other Peer-Reviewed Conference Presentations, Workshops and Symposia

Conference Workshop Organizer

Hong, L., Ghosh, S., Dumas, C., & Han, Z. (2024). 4th Annual Workshop on Social Media Research, Challenges, and Opportunities. Association for Information Science and Technology Annual Meeting (ASIS&T).

Ghosh, S., Dumas, C., Karami, A., & **Hong, L.** (2023). 3rd Annual Workshop on Social Media Research, Challenges, and Opportunities. Association for Information Science and Technology Annual Meeting (ASIS&T).

Conference Tutorials

Song, X. & **Hong, L.** (2024). Data Collection, Classification, and Transformation. IDEA Institute on AI 2024 by the Association for Information Science & Technology (ASIS&T).

Song, X. & **Hong, L.** (2024). Comprehending the Semantic Essence of Text: Leverage SEANCE for Textual Analysis. IDEA Institute on AI 2024 by the Association for Information Science & Technology (ASIS&T).

Conference Presentations

Kim, J., **Hong, L.**, Evans, S., Ali, I., & Rice-Oyler, E. (2023). Toward an Understanding of Data Literacy Needs in Community Colleges: A Conceptual Framework. ACRL. [Poster Presentation]

Velverthi, N.R., Prybutok, V., **Hong, L.**, & Sheesh, W. (2022). Usage and Adoption of Patient Portals Among Young Adults. 53rd Annual Conference of the Decision Sciences Institute. [Oral Presentation]

Kim, J., **Hong, L.**, & Evans, S. (2021). Defining Data Literacy: An Empirical Study of Data Literacy Dimensions. ALISE [Poster Presentation]

Hong, L., Yu, X., & Moen, W. (2020). Revealing the Disciplinary Landscape of Data Science Journals. ALISE [Poster Presentation]

Zou, Ze., Erdogan, S., Wu, J., Younes, H., & **Hong, L.** (2019). Move on Scooters: Understand How Social & Built Environments Impact Scooter Share Usage in Washington D.C. Association of Collegiate Schools of Planning (ACSP) 2019 Annual Conference. South Carolina, US. [Oral Presentation]

Wu, J., **Hong, L.**, & Frias-Martinez, V. (2019). Predicting Perceived Cycling Safety Levels Using Open and Crowdsourced Data. The American Association of Geographers Annual Meeting (AAG). Washington DC. [Oral Presentation]

Frias-Martinez, V., **Hong, L.**, Wu, J., Frias-Martinez, E., & Villareal, A. (2019). Analysis of Post-Migration Mobility and Social Ties of Internal Migrants. International Conference on the Scientific Analysis of Mobile Phone Datasets (NetMob). Oxford, UK. [Oral Presentation]

Frias-Martinez, V., **Hong, L.**, Wu, J., Frias-Martinez, E., & Villareal, A. (2019). Comparison and Analysis of Migrant Identification Methods. International Conference on the Scientific Analysis of Mobile Phone Datasets (NetMob). Oxford, UK. [Oral Presentation]

Hong, L., Frias-Martinez, E., & Frias-Martinez, V. (2017). LDA Mapping of Regional Socioeconomic Status. International Conference on the Scientific Analysis of Mobile Phone Datasets (NetMob). Milan, Italy. [Oral Presentation]

Isaacman, S., Frias-Martinez, V., **Hong, L.**, & Frias-Martinez, E. (2017). Climate Change Induced Migrations from a Cell Phone Perspective. In the Main Conference on the Scientific Analysis of Mobile Phone Datasets (NetMob). Milan, Italy. [Poster Presentation]

Workshops Presentations

Hong, L., Frias-Martinez, E., Villareal, A., & Frias-Martinez, V. (2018). Accuracy and Bias in the Identification of Internal Migrants Using Cell Phone Data. In The 12th International Conference on Web and Social Media (ICWSM) Workshop on Making Sense of Online Data for Population Research. Stanford, California.

Symposium Presentations

Yu, X., Boy, J., & **Hong, L.** (2020). Gender Equality and Female Participation in #MeToo. In 16th Annual Social Informatics Research Symposium. In the 83rd Annual Meeting of the Association for Information Science and Technology (ASIS&T).

Other Conference Presentations

Song, X., Perez, S., & **Hong, L.** (2023) Predicting the Reentry Behavior of Hate Instigators. Multi-Disciplinary Information Research Symposium (MIRS). University of North Texas.

Perez, S., Song, X., & **Hong, L.** (2023) Flagging as a social response. Multi-Disciplinary Information Research Symposium (MIRS). University of North Texas.

Rashid, M., Ryan, S., & **Hong, L.** (2023) A Brief Survey of Financial Misinformation: Typologies, Theories, and Detection Methods. Multi-Disciplinary Information Research Symposium (MIRS). University of North Texas.

Yu, X., Zhao, A., & **Hong, L.** (2023). Replies to Incivility that Deescalate Conflicts. Day of Data Science. University of North Texas.

Wang, O., & **Hong, L.** (2023). Summary of Discussions of ChatGPT on Social Media with Topic Models. Day of Data Science. University of North Texas.

Zelege, M., Hong, L., Kaz-Onyeakazi, I., Smith, D., Milburn, S., & Esener, Y. (2023). #NoMore: An Analysis of Topics and Sentiments Indicative of the War in Ethiopia. Day of Data Science. University of North Texas.

Rashid, M., Ryan, S., & Hong, L. (2023). Assessing financial journalism by using novel ML technique: Evidence from FAANG+ shares by using 8-k reports and variability of stock price of USA. Day of Data Science. University of North Texas.

Velverthi, N., & Hong, L. (2021). Investigating People's Behavior Towards Adoption of Fitness and Health Apps Considering the Privacy. Multi-Disciplinary Information Research Symposium (MIRS). University of North Texas.

Jayanth, A., Yadav, K., Xie, Z., & Hong, L. (2021). Machine Learning for Detection of Informative Communications from Social Networks During Crises. Multi-Disciplinary Information Research Symposium (MIRS). University of North Texas.

Kahanek, A., & Hong, L. (2021). Topics and Sentiment of COVID-19 in Twitter: A Look into How and What the US was Talking About During the Pandemic. Multi-Disciplinary Information Research Symposium (MIRS). University of North Texas. (Best Poster Award)

Yu, X., & Hong, L. (2021). Hate Speech and Counterspeech Detection: Does Context Really Matter? Multi-Disciplinary Information Research Symposium (MIRS). University of North Texas.

Funding

External Research Grants - Funded

Lingzi Hong (PI). Outcome-constrained Large Language Models for Counter Hate Speech, \$20,000 credits, OpenAI API Research Access Program, Dec 2023.

Jeonghyun Kim (PI), Lingzi Hong (Co-PI), Sarah Evans (Co-PI). Students Data Literacy Needs in Community Colleges: Perspectives of Librarians, Students and Faculty, \$118,996, Institute of Museum and Library Services Laura Bush 21st Century Librarian Program, Aug 2022.

External Research Grants - Submitted (Pending and Unfunded)

Lingzi Hong (PI), Jason Thomale (Co-PI). Gauging Library Needs for Advanced AI-Assisted Cataloging, \$128,130, IMLS, Sep 2023 (Invited for full proposal, pending)

Lingzi Hong (PI), Ana Roeschley (Co-PI), Yunfei Du (Co-PI). Inclusive Services to Enhance Immigrants' Resilience to Natural Disasters, \$410,911, IMLS, Sep 2023 (Invited for full proposal, pending)

Jeonghyun Kim (PI), Daniella Smith (Co-PI), Lingzi Hong (Co-PI), Jihyun Lee (Co-PI), Zuowei Wang (Co-PI). Beyond Numbers: Measuring Data Literacy Competency for Grades 9-12 Through Scenario-Based Assessment, \$1,362,254, NSF DRK-12, Nov 2023 (Pending)

Jeonghyun Kim (PI), Sarah Evans (Co-PI), Lingzi Hong (Co-PI). Building Community College Library Capacity for Supporting Students' Data Literacy Needs, \$249,998, IMLS, Sep 2023 (Invited for full proposal, pending)

Lingzi Hong (PI). Social Monitoring for Tracing, Detection, and Intervention of Online Misbehaviors, \$453,243, NSF CAREER, July 2023 (Not funded)

Sarah Ryan (PI), Lingzi Hong (Co-PI). Cross-jurisdictional, Longitudinal Analysis of Veterans Benefit Acts: Developing AI Methods for Session Law Research, \$336,951, NSF Law & Science, Jan 2023 (Not funded)

Lingzi Hong (PI). Public Libraries Serving New Americans in Crisis, \$ 96,450, IMLS, Sep 2022 (Preliminary proposal, not invited)

Lingzi Hong (PI). Supporting Public Libraries' Preparedness, Response, and Recovery to Disasters with Data-driven Insights, \$ 174,916, IMLS, Sep 2022 (Preliminary proposal, not invited)

Lingzi Hong (PI). Crisis Information Literacy: Conceptual Framework and Data-driven Enhancement, \$86,370, IMLS preliminary proposal, Sep 2021 (Preliminary proposal, not invited)

Lingzi Hong (PI). From Hate Speech to Ecology of Online Hate, PI, \$174,553, NSF CRII, Sep 2021 (Not funded)

Lingzi Hong (PI). Supporting Public Libraries' Rapid Crisis Response: Incorporating Real-time Identification of Community Information Needs, PI, \$317,774, IMLS preliminary proposal, Oct 2020 (Preliminary proposal, not invited)

Jeonghyun Kim (PI), Lingzi Hong (Co-PI). A Conceptual Model for Data Literacy Services for Community College Libraries, \$49,958, IMLS preliminary proposal, Oct 2020 (Preliminary proposal, not invited)

Internal Research Grants - Funded

Lingzi Hong (PI). Research Seed Grant, Counter Hate Speech Detection and Generation, \$3000, UNT College of Information, Feb 2022.

Lingzi Hong (PI). Faculty Summer Grant, \$2445, University of North Texas, May 2021.

Lingzi Hong (PI). Global Venture Fund, PI, \$2000, University of North Texas, Dec 2019.

Sarah Evans (PI), Lingzi Hong (Co-PI). Global Venture Fund, \$1500, University of North Texas, Dec 2019.

Lingzi Hong (PI). Research Seed Grant, Data-driven Methods to Understand Social Media Participation and the Outcomes in Social Movements, \$4943, UNT College of Information, Nov 2019.

Internal Research Grants - Submitted (Pending and Unfunded)

Yunhe Feng (PI), Lingzi Hong (Co-PI). A Data-Driven Framework for Detecting and Mitigating Demographic-Aware Incivility on Social Media, \$9694, UNT Research Seed Grant, Nov 2022 (Not funded)

Lingzi Hong (PI). De-radicalization through Generation of Counter Speech, \$9973, UNT Intramural Seed Funding, Nov 2021 (Not funded)

Other Grant and Fellowship

2024 NSF SaTC Aspiring PI Workshop Travel fund, \$1000, May 2024 (Funded rate: 38.5%)

Youth Scholar Travel Fund, \$2800, Beijing Normal University, Dec 2019

Data Science for Social Good Summer Fellowship, \$8000, Georgia Institute of Technology, Summer 2017

IEEE SMARTCOMP 2017 NSF Student Travel Grant, \$1000, NSF, May 2018

AT&T Graduate Symposium Travel Grant, \$600, AT&T, December 2017

Goldhaber Travel Grant, \$600, UMD, 2015&2016

Invited Talks

Data-driven Models to Enhance Decision-making in Disaster Preparedness and Response [Talk] Youth Scholar Seminar, Beijing Normal University (Zhuhai), December 2019.

First Flight: Innovations in Data Science [Talk]

UNT Student Orientation, University of North Texas, August 2019.

Data Literacy Course Development Plan [Talk]

Purdue Libraries and School of Information Studies, February 2019.

Using Cell Phone Data for Social Good [Talk]

UMD iSchool Symposium, University of Maryland College Park, May 2018.

Predicting and Alleviating Road Flooding in Senegal [Poster]

UMD Graduate Research Appreciation Day, University of Maryland College Park, April 2018.

Cycling Safety Maps: A Data-Driven Approach to Cycling Safety [Poster]

MAPP of the Future: A Research and Creative Practice Symposium, University of Maryland College Park, April 13, 2018

Cycling Safety Maps: A Data-Driven Approach to Cycling Safety [Talk]

Bike Hack Night, Washington D.C., January 10, 2018

Patterns of Digital Footprints Applied in Government Decision Making [Talk]

AT&T Graduate Symposium, New York, December 1, 2017

Predicting Cycling Safety Levels with Crowdsourced Data [Poster]

NSF 2017 Cyber-Physical Systems Principal Investigators' Meeting, Virginia, November 2, 2017

Cell Phone Data to Infer Socioeconomic Maps [Talk]

UMD Geography Awareness Week, University of Maryland College Park, December 2017

Teaching and Mentoring

Teaching

University of North Texas, Department of Information Science

Fall 2023, INFO 5090: Practicum and Internship in the Field Study

Fall 2023, DTSC 3010: Introduction to Data Science

Summer 2023, INFO 5090: Practicum and Internship in the Field Study

Spring 2023, INFO 5090: Practicum and Internship in the Field Study

Spring 2023, INFO 5709: Visualization and Communication

Spring 2023, INFO 3010: Introduction to Data Science

Fall 2022, INFO 5090: Practicum and Internship in the Field Study

Fall 2022, INFO 3010: Introduction to Data Science

Summer 2022, INFO 5090: Practicum and Internship in the Field Study

Summer 2022, INFO 5709: Visualization and Communication

Summer 2022, INFO 4907: Data Visualization

Spring 2022, INFO 3010: Introduction to Data Science

Fall 2021, INFO 3010: Introduction to Data Science (2 sections)

Fall 2021, INFO 4907: Data Visualization

Summer 2021, INFO 5090: Practicum and Internship in the Field Study

Spring 2021, INFO 4900: Special Problems

Spring 2021, INFO 5090: Practicum and Internship in the Field Study

Spring 2021, INFO 5709: Visualization and Communication

Fall 2020, INFO 3010: Introduction to Data Science (2 sections)

Fall 2020, INFO 6900: Special Problems

Summer 2020, INFO 4907: Data Visualization (remote delivery)

Summer 2020, INFO 5709: Visualization and Communication (online)

Spring 2020, INFO 6900: Special Problems
Spring 2020, INFO 3010: Introduction to Data Science
Spring 2020, INFO 4907: Data Visualization (online)
Fall 2019, INFO 3010: Introduction to Data Science

University of Maryland, iSchool

Teaching Assistant, Summer 2018, Introduction to Programming in Information Science (Python)
Instructor, March 2017, Training Workshop on Hadoop and Big Data

Beijing Normal University, School of Economics and Business Administration

Teaching Assistant, Fall 2013, Management Information System
Teaching Assistant, Spring 2013, Decision on Data and Model
Teaching Assistant, Fall 2012, Trend Analysis and Business Opportunities

Current Students

PhD students (as major/co-major professor)

Spring 2024 - , Meseret Zeleke (UNT)
Fall 2023 - , Sharon Perez (UNT)
Fall 2023 - , Xiaoying Song (UNT)
Fall 2021 - , Mohotarema Rashid (UNT)

PhD students (as committee member)

Fall 2020 - , Yildiz Esener

Undergraduate students

Fall 2023 - now, Sujana Mamidisetty (TAMS student)
Fall 2022 – Fall 2023, Ashley Zhao (Cornell University, CS)
Spring 2022 – Fall 2023, Jeremiah Thomas (TAMS student)
Fall 2020 – Spring 2022, Ajay Jayanth (TAMS student)
Fall 2020 – Fall 2021, Kapil Yadav (TAMS student)
Fall 2020 – Spring 2021, Benjamin Wang (University of Washington, CS)
Summer 2020 – Spring 2022, Zhuoli Xie (University of Texas, Austin, CS)
Summer 2020 – Fall 2021, Alexander Kahanek
Summer 2018, Xuejing Wang (UMD)

Past Students

PhD students (as major/co-major professor)

Fall 2020 - Summer 2024, Fnu Irhamni (Data Scientist for the National Library of Indonesia Strategic Planning Management Bureau)
Fall 2019 - Summer 2023, Xinchun Yu (Assistant Professor in Practice at University of Arizona)

PhD students (as committee member)

Fall 2020 - Summer 2024, Navya Reddy Ververthi (Assistant Professor at University of Central Missouri)
Fall 2019 - Summer 2023, Fariba Sadeghiniaeenifard (Data Scientist at Peterbilt)

Master students

Spring 2020 – Spring 2021, Shashidhar Reddy Daida
Spring 2020, Lasya Bentula
Fall 2019, Dhana Sanketha Repala
Fall 2019, Rama Narayana Reddy Lakkireddy

Undergraduate students

Fall 2022 – Fall 2023, Ashley Zhao (Cornell University, CS)
Spring 2022 – Fall 2023, Jeremiah Thomas (TAMS student)

Fall 2020 – Spring 2022, Ajay Jayanth (TAMS student)
Fall 2020 – Fall 2021, Kapil Yadav (TAMS student)
Fall 2020 – Spring 2021, Benjamin Wang (University of Washington, CS)
Summer 2020 – Spring 2022, Zhuoli Xie (University of Texas, Austin, CS)
Summer 2020 – Fall 2021, Alexander Kahanek
Summer 2018, Xuejing Wang (UMD)

Dissertation Guidance as Major/Co-major Professor

Xinchen Yu, *Countering Hate Speech: Modeling User-Generated Web Content Using Natural Language Processing* (Defended)
Irhamni Irhamni, *Assessing the Readiness for Implementing Linked Open Government Data: a Study on Indonesian Government Agencies' Libraries* (Defended)

Dissertation Committee Member

Fariba Fard, *Development of the Big Bridge Data Across the Conterminous US for Deck Condition Rating Prediction Using Machine Learning Algorithms* (Defended)
Navya Reddy Ververthi, *Usage and Adoption of Patient Portals* (Passed proposal defense)
Yildiz Esener, *Using the Technology Acceptance Model to Explore the User Experience of PTSD Apps: Topic Modeling and Content Analysis* (Passed proposal defense)

Service

University and Departmental Service

University of North Texas

Texas Academy of Mathematics & Science

SRC Reviewer, TAMS Science Fair, UNT, 2022 December

Judge, TAMS Science Fair, UNT, 2022 December

Department of Information Science

Committee Member, Data Science Faculty Search Committee, 2023-2024

Co-chair, Data Science Faculty Search Committee,
2022-2023

Director of Bachelor of Science Data Science Program, 09/2021 – 09/2022

Committee Member, Ad Hoc Committee on Academic Integrity, 2021-2022

Chair, Committee on Committees, 2021-2022

Committee Member, Data Science Faculty Search Committee, 2021-2022

Committee Member, Ad Hoc Committee on Research, 2021

Co-chair, Data Science Faculty Search Committee, 2021-2022

Committee Member, External Affairs & Physical Resources Committee, 2020-2022

Committee Member, Clinic Assistant Professor Search Committee, 2020-2021

Committee Member, Data Science Lecturer Search Committee, 2019-2020

Committee Member, Health Informatics/Data Science Faculty Search Committee, 2019-2020

Committee Member, Student Admission Committee, 2019-2020

University of Maryland

College of Information

Student Host, CLIP (Computational Linguistics and Information Processing) Seminar, Oct 2016
& Nov 2017 & Nov 2018

Student Representative, Doctoral Committee, Fall 2018

Student Representative, Faculty Search Committee, Fall 2018

Professional Services

Association for Information Science & Technology

Program Committee, IDEA Institute, 2023 -

Chair-elect, Special Interest Group of Social Media, 2023 -
Treasurer, Special Interest Group of Social Media, 2022-2023
Secretary, Special Interest Group of Social Informatics, 2019-2021
Program Committee, 2023

The International AAAI Conference on Web and Social Media (ICWSM)
Program Committee, 2024

National Science Foundation
Panel Review, NSF IIS: Human-Centered Computing Small, 2024

International Conference on Computational Social Science
Tutorial Committee Co-chair, 2023-2024

IEEE International Conference on Artificial Intelligence Testing
PC member, 2023
PC member, 2022

iConference
PC member, 2023
Student Volunteer, iConference, Maryland, April 2019

EEE International Conference on Computers, Software, and Applications
PC member, 2023
PC member, 2022

Journal Review

Editorial Board Member, Frontiers in Big Data (2021-)
Editorial Board Member, Aslib Journal of Information Management (2021-)
Reviewer, International Journal of Disaster Risk Science (2024-)
Reviewer, Social Science Computer Review (2023)
Reviewer, Journal of Place Management and Development (2022)
Reviewer, Sage Open (2021)
Reviewer, IEEE Access (2019)
Reviewer, The Electronic Library (TEL) (2019-present)
Reviewer, GeoInformatica (2020-2021)
Reviewer, Socius (2020-2021)

Conference Review

EMNLP, 2023-present
ACL, 2023-present
ASIS&T, 2023-present
iConference, 2022-present
The International Conference on Web and Social Media (ICWSM), 2018-present
ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW),
2018-present
CogSci, 2020-2023
Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) (2019)
Big Data, 2016-2018
International Conference on Social Informatics (SocInfo), 2018
The Web Conference (WWW), 2017
NetMob, 2017