

Curriculum Vitae
Wenyi Shang 尚闻一

School of Information Science & Learning Technologies
University of Missouri
221D Townsend Hall, Columbia, MO 65211

wenyishang@missouri.edu
+1 (217) 305-0107
<https://wenyi-shang.github.io>

EDUCATION

University of Illinois Urbana-Champaign, Champaign, Illinois August 2019 – July 2024
Ph.D. in Information Sciences
Dissertation Title:
“Moving Between Scales: Computationally Modeling Social Dynamics in the Elite Society of Premodern China”
Dissertation Committee:
Ted Underwood (Chair and Doctoral Advisor), Jana Diesner, Zoe LeBlanc, Song Chen

Peking University, Beijing, China September 2015 – July 2019
Bachelor of Management in Information Management (Distinguished Graduate)

Trinity College Dublin, Dublin, Ireland January 2018 – May 2018
Exchange student

ACADEMIC APPOINTMENTS

University of Missouri, Columbia, Missouri August 2024 –
Assistant Professor (Doctoral Faculty since 2025), School of Information Science & Learning Technologies

RESEARCH INTERESTS

Digital Humanities
Subject Areas: Digital History (with a focus on medieval Chinese history); Computational Literary Studies; Computational Social Science; Book History and Print Culture
Methods: Machine Learning; Text Mining and Natural Language Processing; Network Analysis; Spatial Analysis

PUBLICATIONS

Peer-Reviewed Journal Articles

- J1 Strathausen, C., **Shang, W.**, & Kazakov, A. (2025). Kafka’s Literary Style: A Mixed-Method Approach. *Humanities*, 14(3), 61. <https://doi.org/10.3390/h14030061>
- J2 Chen, Y., **Shang, W.**, Wang, H., Zhang, S., & Bol, P. (2025). Geocoding the Past World: Unearthing Coordinates of Early China from Texts Using Generative AI. *International Journal of Geographical Information Science*, 1–27. <https://doi.org/10.1080/13658816.2025.2491711>
- J3 **Shang, W.** & Underwood, T. (2025). Disentangling Semantic and Prosodic Features of English Poetry. *Digital Scholarship in the Humanities*, 40(Supplement_1), i87–i99. <https://doi.org/10.1093/llc/fqae008>
- J4 **Shang, W.**, Jett, J., Underwood, T., & Downie, J. S. (2023). Descriptive Cataloging Issues for Non-Western Corpora: A Case Study of Late Imperial Chinese Books. *Cataloging & Classification Quarterly*, 61(1), 1–19. <https://doi.org/10.1080/01639374.2022.2148800>
- J5 **Shang, W.** & Underwood, T. (2023). Civil Service Examination Records and Political Independence in the Autonomous Northeastern Region During the Second Half of the Tang Dynasty (755–907 C.E.). *International Journal of Digital Humanities*, 4, 41–59. <https://doi.org/10.1007/s42803-022-00054-7>
- J6 **Shang, W.** & Huang, W. (2022). Rediscussing the Political Struggle in the Light of Reform in Late 11th Century China under the View of Digital Humanities. *Digital Humanities Quarterly*, 16(2). <http://www.digitalhumanities.org/dhq/vol/16/2/000613/000613.html>
- J7 Underwood, T., Kiley, K., **Shang, W.**, & Vaisey, S. (2022). Cohort Succession Explains Most Change in Literary Culture. *Sociological Science*, 9, 184–205. <https://doi.org/10.15195/v9.a8>

- J8 **Shang, W.** & Sang, Z. (2021). Solidity in a Turbulent Flow: The Social Network of Aristocratic Families in the Eastern Jin Dynasty (317–420 C.E.). *Journal of Historical Network Research*, 5(1), 1–32. <https://doi.org/10.25517/jhnr.v5i1.126>
Chinese translation: **Shang, W.** 尚闻一 & Sang, Z. 桑梓洲 (2022). Tuanliu zhong de wentai: Dong Jin menfa guizu de shehui wangluo 湍流中的稳态: 东晋门阀贵族的社会网络. *Shuzi renwen* 数字人文 [Journal of Digital Humanities], (4), 36–57. <https://www.dhcn.cn/dhjournal/202204/24913.html>
- J9 **Shang, W.** 尚闻一 & Liang, X. 梁兴堃. (2020). “Zhen Ji zhijian, zi wei yi Qin”: zhong wan Tang Hebei fanzhen renyuan wailiu de lianghua fenxi “镇冀之间，自为一秦”：中晚唐河北藩镇人员外流的量化分析 [“An Independent Country Formed Between Zhen and Ji”: A Quantitative Analysis of the Migration of People out of Hebei Region in the Mid-to-Late Tang Dynasty]. *Shuzi renwen* 数字人文 [Journal of Digital Humanities], (4), 151–184. <https://www.dhcn.cn/dhjournal/202004/6092.html>
- J10 **Shang, W.** 尚闻一 & Che, S. 车尚钺. (2019). Qunti jihua haishi xieshang tiaohu?—Weijibaik “Islamophobia” citiao shizheng yanjiu 群体极化还是协商调和? ——维基百科 “Islamophobia” 词条实证研究 [Group Polarization or Collaboration: A Case Study of the Article “Islamophobia” on Wikipedia]. *Tushuguan luntan* 图书馆论坛 [Library Tribune], (9), 71–81. <https://www.cnki.net/KCMS/detail/detail.aspx?dbcode=CJFD&dbname=CJFDLAST2019&filename=TSGL201909009&uniplatform=OVERSEA&v=NtjirHXhgM6vFMcq2eep8DFgTvhgMCf44-XWhu6ylGSmQMJsOZcZ6DrsA6uvIH7>
- J11 **Shang, W.** 尚闻一 & Yu, Z. 于子轩. (2019). Dong Jin guizuzhi shehui de wending jizhi—*Shishuo xinyu* gongci fenxi 东晋贵族制社会的稳定机制——《世说新语》共词分析 [The Stability Mechanism of the Aristocratic Society in the Eastern Jin Dynasty: A Co-Word Analysis of *A New Account of the Tales of the World*]. *Tushuguan luntan* 图书馆论坛 [Library Tribune], (1), 46–57. https://cnki.net/KCMS/detail/detail.aspx?dbcode=CJFD&dbname=CJFDLAST2019&filename=TSGL201901008&uniplatform=OVERSEA&v=NtjirHXhgMP_ydlSgQikgU_cCpMTd6a9K5piNCDWE_oD0ucGCQxDvSYDSu1tDFTf
- J12 **Shang, W.** & Huang, W. (2018). Investigating the Relationships Between Scholars and Politicians in Ancient China: Taking the Yuanyou Era as an Example. *Journal of the Japanese Association for Digital Humanities*, 3(1), 33–48. https://doi.org/10.17928/jjadh.3.1_33
- J13 Xu, H. 许欢 & **Shang, W.** 尚闻一. (2017). Meiguo, Ouzhou, Riben, Zhongguo shuzi suyang peiyang moshi fazhan shuping 美国、欧洲、日本、中国数字素养培养模式发展述评 [A Commentary on the Development of Digital Literacy Cultivation Models in the USA, Europe, Japan and China]. *Tushu qingbao gongzuo* 图书情报工作 [Library and Information Service], 61(16), 98–106. <https://doi.org/10.13266/j.issn.0252-3116.2017.16.014>
- J14 **Shang, W.** 尚闻一 & Yang, Z. 杨子傲. (2017). Jiyu zhishi shequn shijiao de wangluo baikequanshu citiao zhiliang yanjiu—Yi Wikipedia he Baidu Baike lishi lei citiao wei li (shang) 基于知识社群视角的网络百科全书词条质量研究——以 Wikipedia 和百度百科历史类词条为例（上） [Research on the Entries Quality of Online Encyclopedia Based on Knowledge Community Perspective: A Case Study on Historical Entries of Wikipedia and Baidu Baike (Part I)]. *Xinxi yu guanli yanjiu* 信息与管理研究 [Journal of Information and Management], 1(2), 28–42.

Peer-Reviewed Conference Proceedings

- C1 **Shang, W.** & Ochi, S. (Accepted). Text Mining Gender Depictions in Epitaphs Verses from Northern Wei (386–539 C.E.) China. In *The Book of Abstracts of Digital Humanities Conference 2025 (DH 2025)*
- C2 Strathausen, C. & **Shang, W.** (Accepted). A Study of Imagery in Franz Kafka’s Novel *The Trial* Through Illustrated Editions. In *The Book of Abstracts of Digital Humanities Conference 2025 (DH 2025)*
- C3 **Shang, W.**, Ma, R., & Moulaison-Sandy, H. (2025). How Does Digital Humanities Research Talk about AI? A Bibliometric Analysis. *Information Research*, 30(iConf), 635–645. <https://doi.org/10.47989/ir30iConf47242>
- C4 **Shang, W.**, Chen, Y., Dubnick, R., Cordell, R., & Downie, J. S. (2024). Interplays Between Materiality and Content in Book History: Evidence from 16th–19th Century Chinese and English Books. In *The Book of Abstracts of Digital Humanities Conference 2024 (DH 2024)* (pp. 637–640). <https://doi.org/10.5281/zenodo.13834936>
- C5 Chen, Y., **Shang, W.**, & Chen, S. (2024). Pure Conversation with AI: Building Generative Agents for Reenacting Debates in History. In *The Book of Abstracts of Digital Humanities Conference 2024 (DH 2024)* (pp. 99–101). <https://doi.org/10.5281/zenodo.13834936>

- C6 **Shang, W.**, Chen, S., Chen, Y., & Diesner, J. (2023). Structural Characteristics in Historical Networks Reveal Changes in Political Culture: An Example From Northern Song China (960–1127 C.E.). In *Proceedings of the Computational Humanities Research Conference 2023 (CHR 2023)* (pp. 263–273). <http://ceur-ws.org/Vol-3558/paper2567.pdf>
- C7 **Shang, W.** (2023). Moving Between Scales: Computationally Modelling Social Dynamics in the Elite Society of Premodern China. In *Proceedings of the Association for Library and Information Science Education Annual Conference (ALISE 2023)*. <https://doi.org/10.21900/j.alise.2023.1273>
- C8 Lavin, M., Walsh, M., Antoniak, M., Hu, Y., Underwood, T., Bishop, D., Senatorova, E., & **Shang, W.** (2023). Reception History in Many Dimensions: New Research on Book Reviews. In *The Book of Abstracts of Digital Humanities Conference 2023 (DH 2023)* (pp. 461–463). <https://doi.org/10.5281/zenodo.8210808>
- C9 **Shang, W.**, Cordell, R., & Downie, J. S. (2023). Book Size, Book Format: Historical Relationship in the HathiTrust Digital Library Metadata (1500–1799). In *Proceedings of the 2023 ACM/IEEE Joint Conference on Digital Libraries (JCDL 2023)* (pp. 279–281). <https://doi.org/10.1109/JCDL57899.2023.00059>
- C10 **Shang, W.** & Underwood, T. (2022). Genre Classification in English Poetry with Lexical and Prosodic Features. In *The Book of Abstracts of Digital Humanities Conference 2022 (DH 2022)* (pp. 567–569). <https://dh2022.dhii.asia/dh2022bookofabsts.pdf#page=569>
- C11 **Shang, W.** & Chen, S. (2022). Structural Balance in the Historical Political Networks of China. In *The Book of Abstracts of Digital Humanities Conference 2022 (DH 2022)* (pp. 569–571). <https://dh2022.dhii.asia/dh2022bookofabsts.pdf#page=571>
- C12 **Shang, W.**, Jett, J., & Downie, J. S. (2021). Exploring Metadata Quality Issues in Non-English Corpora: Preliminary Assessments of HathiTrust Records of late imperial Chinese Books. In *Proceedings of the 11th Conference of Japanese Association for Digital Humanities (JADH 2021)* (pp. 88–92). https://www.hi.u-tokyo.ac.jp/JADH/2021/Proceedings_JADH2021.pdf#page=88
- C13 **Shang, W.** & Underwood, T. (2021). Improving Measures of Text Reuse in English Poetry: A TF–IDF Based Method. In *Proceedings of the 16th International Conference (iConference 2021)* (pp. 469–477). https://doi.org/10.1007/978-3-030-71292-1_36
- C14 Sharma, A., Hu, Y., Wu, P., **Shang, W.**, Singhal, S., & Underwood, T. (2020). The Rise and Fall of Genre Differentiation in English-Language Fiction. In *Proceedings of the Computational Humanities Research Conference 2020 (CHR 2020)* (pp. 97–114). <http://ceur-ws.org/Vol-2723/long27.pdf>
- C15 Lavin, M. J., Chang, K., Hu, Y., **Shang, W.**, Sharma, A., Singhal, S., Underwood, T., Witte, J., Wu, P., Sinykin, D., Walsh, M., & Antoniak, M. (2020). Cultural Analytics and the Book Review: Models, Methods, and Corpora. In *The Book of Abstracts of Digital Humanities Conference 2020 (DH 2020)* (pp. 525–526). http://constancecrompton.com/2020/DH2020Abstracts_Guiliano_Estill_Crompton.pdf#page=512
- C16 **Shang, W.**, Zhang, J., & Huang, W. (2019). Modelling Poetic Similarity: A Comparative Study of W. B. Yeats and the English Romantic Poets. In *The Book of Abstracts of Digital Humanities Conference 2019 (DH 2019)*. <https://doi.org/10.34894/OUOSLM>
- C17 **Shang, W.** (2018). A Comparison of the Historical Entries in Wikipedia and Baidu Baike. In *Proceedings of the 13th International Conference (iConference 2018)* (pp. 74–80). https://doi.org/10.1007/978-3-319-78105-1_9

Public Scholarship

- S1 **Shang, W.** 尚闻一. (2024). Du Fu junwang xiaokao: guankui Tangdai “shizu” de ziwo shenfen rentong yu shehui shibie 杜甫郡望小考：管窥唐代“士族”的自我身份认同与社会识别 [A Brief Study of Du Fu’s Choronyms: A Partial Perspective on Tang Dynasty Elites’ Self-Identification and Social Recognition]. *Pengpai xinwen* 澎湃新闻 [The Paper]. https://m.thepaper.cn/newsDetail_forward_29029729

Preprints and Preregistered Manuscripts

- M1 Underwood, T., Hu, Y., **Shang, W.**, Senatorova, E., & Bishop, D. (2022). Innovation, Publicity, and Change in Literary Culture [OSF (Open Science Framework) Preregistration]. <https://osf.io/uqr3c>

SELECTED PRESENTATIONS

Non-Archival Conference Presentations (* denotes refereed presentations)

- P1 **Shang, W.** Moving Between Scales: Computationally Modelling Social Dynamics in the Elite Society of Premodern China. Doctoral Colloquium, 86th Annual Meeting of the Association for Information Science and Technology (ASIS&T 2023), London, UK. October 27–31, 2023. *
- P2 **Shang, W.** A Research Framework of Book Size Modeling Based on Digital Library Metadata. The Tools of the Trade: The Way Forward, an International Conference on Digital Tools and Methods in East Asian Studies, Harvard University, Cambridge, MA. March 14–16, 2023. *
- P3 **Shang, W.** Centrality and Triadic Balance: What Can Microlevel Measures Tell Us in a Historical Network? The Tools of the Trade: The Way Forward, an International Conference on Digital Tools and Methods in East Asian Studies, Harvard University, Cambridge, MA. March 14–16, 2023. *
- P4 **Shang, W.** 尚闻一 & Sang, Z. 桑梓洲. Tuanliu zhong de wentai: Dong Jin menfa guizu de shehui wangluo 湍流中的稳态: 东晋门阀贵族的社会网络 [Solidity in a Turbulent Flow: The Social Network of Aristocratic Families in the Eastern Jin Dynasty]. “Shenglü • wangluo • weilai”: di san jie Qinghua Daxue shuzi renwen guoji luntan “声律 • 网络 • 未来”: 第三届清华大学数字人文国际论坛 [“Prosody • Network • Future”: The 3rd Tsinghua International Forum on Digital Humanities], Tsinghua University, Beijing, China. November 12–13, 2022.
- P5 **Shang, W.**, Cordell, R., & Downie, J. S. Computationally Modeling Publication Format in HathiTrust Books, 1500–1799. DH+BH: An Interdisciplinary Conference on Digital Humanities and Book History (virtual event). September 22–24, 2022. *
- P6 **Shang, W.** & Underwood, T. Disentangling Forms from Styles in English Poetry: A Classification Experiment. Digital Humanities Fair 2022, University of California, Berkeley, CA (virtual event). May 3, 2022. *
- P7 **Shang, W.** The Aristocratic Social Network in the Eastern Jin Dynasty (317–420 C.E.). Historical Network Research in Chinese Studies Conference, Harvard University, Cambridge, MA (virtual event). July 23–31, 2021.
- P8 **Shang, W.** 尚闻一. Jiyu shuzihua fangfa de Zhongguo gudai shi fenqi zai tantao—zhong wan Tang keju jilu de anli yanjiu 基于数字化方法的中国古代史分期再探讨——中晚唐科举记录的案例研究 [Rediscovering Premodern Chinese Historical Periodization Based on Digital Methods: A Case Study of Civil Service Examination Records in the Mid-to-Late Tang Dynasty]. *Shuzi renwen chuankang yishi ji* Beijing shuzi renwen guoji gongzuofang 《数字人文》创刊仪式暨北京数字人文国际工作坊 [The Launching Ceremony of *Journal of Digital Humanities* and International Workshop (Beijing)], Tsinghua University, Beijing, China. December 14–15, 2019.

Invited Talks

- I1 **Shang, W.** Classifying a Large Collection of English Poetry Using Semantic and Prosodic Features. Digital Humanities Student Association Lecture Series, Shiraz University, Shiraz, Iran (virtual event). April 24, 2025.
- I2 Wang, J., Van Wijlick, H., Wang, S., & **Shang, W.** From Dunhuang to Aegean Sea: Global and Digital Perspectives on Cultural Heritage Conservation. “Global Exchange@PKU: Exchange Cafe” Roundtable Discussion, Peking University, Beijing, China. December 18, 2024.
- I3 **Shang, W.** Moving Beyond the Streetlight: How Computational Methods Can Open Up New Directions in Humanities Research. Humanities in the Age of Artificial Intelligence Cluster Speaker Series, University of California, Santa Cruz, CA. November 18, 2024.
- I4 **Shang, W.** Extracting Patterns from Humanities Data. Digital Humanities Salon, University of Missouri, Columbia, MO. November 12, 2024.
- I5 **Shang, W.** 尚闻一. Renwen yanjiu zhong de jisuan moxing: Dong Jin guizu shehui wangluo ji qita anli 人文研究中的计算模型: 东晋贵族社会网络及其他案例 [Computational Models in Humanities Research: The Eastern Jin Aristocratic Social Network and Other Cases]. *Shuzi renwen guoji lianhe shuqi gongzuofang’2023* 数字人文国际联合暑期工作坊’2023 [International Joint Summer Workshop on Digital Humanities’2023], Peking University, Beijing, China (virtual event). August 9, 2023.
- I6 Underwood, T., **Shang, W.**, Hu, Y., Kiley, K., Vaisey, S., LeBlanc, Z., Diesner, J., Layne-Worthey, G., Downie, J. S., Bishop, D., & Senatorova, E. Reception and Cultural Change. Lab Encounter with the CUDAN (Cultural Data Analytics) Open Lab, Tallinn University, Tallinn, Estonia (virtual event). September 26, 2022.

- I7 **Shang, W.** Computational Modeling of Humanities Data: Cases of English Literature and Chinese History. Navari Family Center for Digital Scholarship/Lucy Family Institute Seminar, University of Notre Dame, Notre Dame, IN. April 28, 2022.
- I8 Underwood, T. & **Shang, W.** What Can We Do with Book Reviews? NovelTM Workshop 2019, Banff, Canada. October 18, 2019.

TEACHING

Courses Taught as Instructor

- **University of Missouri**
 - *IS_LT 7301: Library and Information Technology* Spring 2025
Required graduate course for Master of Library and Information Science students introducing applied information technologies as used within libraries and information agencies.
 - *IS_LT 9085: Problems in Information Science and Learning Technology* Spring 2025
Independent study for Zach Coble, a PhD student in Information Science & Learning Technologies, focusing on text mining and metadata analysis.
 - *IS_LT 9439: Digital Humanities and Information* Fall 2024
Graduate course introducing digital humanities, with a particular focus on its relationship to information.
- **University of Illinois Urbana-Champaign**
 - *IS 310: Computing in the Humanities* Fall 2023
Advanced undergraduate course exploring the use and application of emerging technology and methods in scholarly activities in the humanities (ranked as excellent by students).

Courses Taught as Teaching Assistant

- **University of Illinois Urbana-Champaign**
 - *IS 455: Database Design and Prototyping* Summer 2023
 - *IS 310: Computing in the Humanities* Spring 2023
- **Peking University**
 - *Information Organization* Spring 2019
 - *Information Storage and Retrieval* Fall 2018
 - *History of Chinese Books* Spring 2017

Workshops Taught as Instructor

- **Historical Network Research in Chinese Studies Conference**
 - *ERGM and Network Simulation* July 2021
Hosted by the Fairbank Center for Chinese Studies, Harvard University.

Guest Lectures Delivered

- **University of Missouri**
 - Interplays Between Materiality and Content in Late Imperial (1500–1899) Chinese Books June 2025
Presented in *IS_LT 9428: History of Books and Media* (School of Information Science & Learning Technologies).
- **Peking University**
 - From Databases to Digital Prosopography: Applications and New Frontiers in Digital History March 2025
Presented in *Sources of the Greco-Roman World and Digital Humanities* (Department of History).
 - Experience Sharing for First-Year Information Management Students December 2024
Presented in *Introduction to Information Management* (Department of Information Management).
 - Career Planning for Library and Information Science Professionals December 2024
Presented in *Seminar on Publishing Trends and Library Trends* (Department of Information Management).

ADVISING AND MENTORSHIP

- **Zach Coble**, Doctoral Program Committee Member Spring 2025 –
- **Trevor Stratton**, Doctoral Program Committee Member Spring 2025 –

ACADEMIC SERVICE

Journal Editing and Reviewing

- Editorial Advisory Board Member, *The Electronic Library* 2025–
- Reviewer, *International Journal of Digital Humanities* 2025–
- Reviewer, *IJHAC: A Journal of Digital Humanities* 2025–
- Reviewer, *Journal of Computational Literary Studies* 2025–
- Reviewer, *Humanities and Social Sciences Communications* 2025–
- Reviewer, *International Journal of Geographical Information Science* 2024–
- Reviewer, *Shandong shehui kexue* 山东社会科学 [Shandong Social Sciences] 2024–

Conference Organization and Reviewing

- Program Committee Member, *Computational Humanities Research Conference (CHR)* 2024–
- Juror, Pratt-Severn Best Masters Student Paper Award (2024); Reviewer (2023–),
Annual Meeting of the Association for Information Science and Technology (ASIS&T) 2023–
- Session Chair (2024); Reviewer (2020–; 2023 Best Reviewer Award),
Digital Humanities Conference (DH) 2020–

Workshops

- Reviewer, *Considering Cultural and Linguistic Diversity in AI Applications: A Hybrid Workshop* 2025
- Program Committee Member, *1st Workshop on Utilizing AI/ML to Enhance Information Extraction, Organization, and Retrieval from Large-scale Archival Collections at the 2024 ACM/IEEE Joint Conference on Digital Libraries (AI4LAC Workshop@JCDL 2024)* 2024

Other Academic Service

- International Correspondent, *Shuzi renwen* 数字人文 [Journal of Digital Humanities] 2020–2023
Published 13 quarterly reports on recent developments in digital humanities worldwide.

SELECTED HONORS AND AWARDS

- Lucile Huntington Wilkinson Fellowship, University of Illinois Urbana-Champaign (\$5,200) 2024
- Rayward Fellowship, University of Illinois Urbana-Champaign (\$10,400) 2024
- Excellent Teacher, University of Illinois Urbana-Champaign 2023
- Best Reviewer Award, Digital Humanities Conference (Recipient: 2 out of 549 Reviewers) 2023
- Travel Award, University of Illinois Urbana-Champaign 2022–2023
- Conference Presentation Award, University of Illinois Urbana-Champaign 2021, 2023, 2024
- Distinguished Graduate of Beijing City (Top 5%) 2019
- Chinese National Scholarship (Top 1%) 2017
- “Merit Student” of Beijing City (Top 1%) 2017
- Fong Prize in Digital Scholarship, Harvard University (\$3,000) 2017
- Tang Lixin Scholarship (Top 1%) 2016–2019

LANGUAGE PROFICIENCY

Chinese	Native
French	Intermediate reading, basic writing and speaking skills (certificate in Chinese College French Test Band 4/Test de français universitaire niveau 4)
Classical Chinese	Proficient reading skills

Last updated: June 6, 2025