

## 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 (GPA: 4.00 of 4.00)

*Dissertation Title:*

“Moving Between Scales: Computationally Modeling Social Dynamics in the Elite Society of Premodern China”

*Dissertation Committee:*

Ted Underwood (Chair and Ph.D. Advisor), Jana Diesner, Zoe LeBlanc, Song Chen

**Peking University**, Beijing, China *September 2015 – July 2019*  
Bachelor of Management in Information Management (GPA: 3.85 of 4.00, Ranking: 1/57)  
Distinguished Graduate

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

### ACADEMIC APPOINTMENTS

**University of Missouri**, Columbia, Missouri *August 2024 –*  
Assistant Professor, School of Information Science & Learning Technologies

### RESEARCH INTERESTS

Digital Humanities, Computational Social Science, Machine Learning, Text Mining, Network Analysis, Digital Libraries, Bibliographic Metadata, Book History and Print Culture

### PUBLICATIONS

#### Peer-Reviewed Journal Articles

- J1 **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/lc/fqae008>
- J2 **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>
- J3 **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>
- J4 **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>
- J5 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>
- J6 **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>

- J7 **Shang, W.** 尚闻一 & Liang, X. 梁兴堃. (2020). “Zhen Ji zhijian, zi wei yi Qin”: zhong wan Tang Hebei fanzhen ren yuan 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>
- J8 **Shang, W.** 尚闻一 & Che, S. 车尚钺. (2019). Qunti jihua haishi xieshang tiaohu?—Weijibaike “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>
- J9 **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\\_yd1sQikgU\\_cCpMTd6a9K5piNCDWE\\_oD0ucGCQxDvSYDsu1tDFTf](https://cnki.net/KCMS/detail/detail.aspx?dbcode=CJFD&dbname=CJFDLAST2019&filename=TSGL201901008&uniplatform=OVERSEA&v=NtjirHXhgMP_yd1sQikgU_cCpMTd6a9K5piNCDWE_oD0ucGCQxDvSYDsu1tDFTf)
- J10 **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](https://doi.org/10.17928/jjadh.3.1_33)
- J11 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>
- J12 **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.**, 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>
- C2 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>
- C3 **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>
- C4 **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>
- C5 Lavin, M., Walsh, M., Antoniak, M., Hu, Y., Underwood, T., Bishop, D., Senatorova, L., & **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>
- C6 **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>

- C7 **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>
- C8 **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>
- C9 **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](https://www.hi.u-tokyo.ac.jp/JADH/2021/Proceedings_JADH2021.pdf#page=88)
- C10 **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](https://doi.org/10.1007/978-3-030-71292-1_36)
- C11 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>
- C12 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](http://constancecrompton.com/2020/DH2020Abstracts_Guiliano_Estill_Crompton.pdf#page=512)
- C13 **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>
- C14 **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](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](https://m.thepaper.cn/newsDetail_forward_29029729)

## SELECTED PRESENTATIONS

### 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 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.
- I2 **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.
- I3 **Shang, W.** Extracting Patterns from Humanities Data. Digital Humanities Salon, University of Missouri, Columbia, MO. November 12, 2024.
- I4 **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.
- I5 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.
- I6 **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.
- I7 Underwood, T. & **Shang, W.** What Can We Do with Book Reviews? NovelTM Workshop 2019, Banff, Canada. October 18, 2019.

## TEACHING EXPERIENCE

### Courses Taught as Instructor

- **University of Missouri**

- *IS\_LT 7301: Library and Information Technology* January 2025 – May 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* January 2025 – May 2025  
Independent study for Zach Coble, a PhD student in Information Science & Learning Technologies, centered on the computational analysis of humanities texts.
- *IS\_LT 9439: Digital Humanities and Information* August 2024 – December 2024  
Graduate course introducing digital humanities, with a particular focus on its relationship to information. Average score received from course evaluations: 4.61/5.

- **University of Illinois Urbana-Champaign**

- *IS 310: Computing in the Humanities* August 2023 – December 2023  
Advanced undergraduate course exploring the use and application of emerging technology and methods in scholarly activities in the humanities. Average score received from course evaluations: 4.62/5.

### Courses Taught as Teaching Assistant

- **University of Illinois Urbana-Champaign**
  - *IS 455: Database Design and Prototyping* May 2023 – August 2023
  - *IS 310: Computing in the Humanities* January 2023 – May 2023
- **Peking University**
  - *Information Organization* February 2019 – June 2019
  - *Information Storage and Retrieval* September 2018 – January 2019
  - *History of Chinese Books* February 2017 – June 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, Cambridge, MA (virtual event).

### Guest Lectures Delivered

- **Peking University**
  - *Experience Sharing for First-Year Information Management Students* December 2024  
Presented in the undergraduate course *Introduction to Information Management*.
  - *Career Planning for Library and Information Science Professionals* December 2024  
Presented in the graduate course *Seminar on Publishing Trends and Library Trends*.

## ACADEMIC SERVICE

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### Journal Reviewing

- 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, *Fifth Conference on Computational Humanities Research (CHR2024)* 2024
- 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
- Session Chair, *Digital Humanities Conference 2024 (DH2024)* 2024
- Juror, Pratt-Severn Best Masters Student Paper Award, *87th Annual Meeting of the Association for Information Science and Technology (ASIS&T 2024)* 2024
- Reviewer, *Annual Meeting of the Association for Information Science and Technology (ASIS&T)* 2023–
- Reviewer, *Digital Humanities Conference (DH)* (2023 Best Reviewer Award) 2020–

### 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

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- 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 (Awarded to top 1% of students) 2017
- “Merit Student” of Beijing City (Top 1%) 2017

- Fong Prize in Digital Scholarship, Harvard University (\$3,000) 2017
- Tang Lixin Scholarship (Awarded to top 1% of students) 2016-2019

## LANGUAGE PROFICIENCY

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

Last updated: January 21, 2025