Fanghui Xiao

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🧠 RESEARCH INTERESTS

Human Information/Data interaction, Human-computer Interaction, Human-centered Design, User Experience Design, Open Data (Open Government Data and Open Research Data), Data Management, Data Literacy

🎓 EDUCATION

University of Pittsburgh	Library & Information Science GPA 3.8/4.0	Ph.D., Aug 2022 (Expected)
University of Pittsburgh	Library & Information Science GPA 3.8/4.0	MLIS, 2016
Capital University of Economics and Business (China)	Human Resource Management GPA 3.5/4.0	BMS, 2007

🏅 HONORS AND AWARDS

Mary Margaret Corbett Memorial Award for best PhD LIS dissertation proposal. University of Pittsburgh	2021
SIGIR Student Travel Grant, Conference on Human Information Interaction and Retrieval (CHIIR2021)	2021
Best short paper Award, Conference on Human Information Interaction and Retrieval (CHIIR2019)	2019
H.W.Wilson Scholarship for full-time dissertation	2019
Graduate & Professional Student Government (GPSG) Travel Grant, University of Pittsburgh	2019
SIS Student Travel Award, University of Pittsburgh	2019, 2018
Clair Pyle Scholarship for full-time dissertation	2018
Fellowship from Western Pennsylvania Regional Data Center	2016-2017
Outstanding Employee, Baidu Co., Ltd, Beijing, China	2008, 2009

📄 PUBLICATIONS and PRESENTATIONS

1	CHIIR 2021	Xiao, F., (2021). Toward a conceptual model for users' online open government data interaction. In Proceedings of the 2021 Conference on Human Information Interaction and Retrieval (CHIIR '21). Association for Computing Machinery, New York, NY, USA, 355–358.
2	ASIS&T 2021	Ma, R., & Xiao, F. (2021). What is a good visualization for digital humanities researchers? An exploratory study. Proceedings of the Annual Meeting of the Association for Information Science and Technology 58 (1).
3	ASIS&T 2020	Xiao, F., Wang, Z., & He, D. (2020). Understanding users' accessing behaviors to local Open Government Data via transaction log analysis. Proceedings of the Association for Information Science and Technology, 57(1), e278.
4	ASIS&T 2020	Xiao, F., Ma, R., & He, D. (2020). Task-based human-structured research data interaction: A discipline independent examination. Proceedings of the Association for Information Science and Technology, 57(1), e308.
5	IJDC 2020	Ma, R., & Xiao, F. (2020). Data practices in digital history. International Journal of Digital Curation 15 (1). https://doi.org/10.2218/ijdc.v15i1.597.
6	PervasiveHealth 2020	Chi, Y., He, D., Xiao, F., & Zou, N. (2020). Connections and disconnections between online health information seeking and offline consequences. In Proceedings of the 14th EAI international conference on pervasive computing technologies for healthcare (pp. 73-84).
7	JCDL 2020	Zhang, H., Zhang, Y., Xin, Q., & Xiao, F. (2020). Contemporary Chinese Village Gazetteer Data Project: From Books to Data. In Proceedings of the ACM/IEEE Joint Conference on Digital Libraries in 2020 (pp. 559-560).
8	CHIIR 2019 🏆	Xiao, F., He, D., Chi, Y., Jeng, W., & Tomer, C. (2019). Challenges and supports for accessing open government datasets: Data guide for better open data access and uses. In Proceedings of the 2019 Conference on Human Information Interaction and Retrieval (pp. 313-317). ACM.
9	ASIS&T 2018	Xiao, F., Jeng, W., & He, D. (2018). Investigating metadata adoptions for open government data portals in US cities. Proceedings of the Association for Information Science and Technology, 55(1), 573-582.
10	IJDC 2018	Xiao. F., Lyon. L, Zou. N., and Gradeck. R. (2018). Emerging Roles for Optimising Re-Use of Open Government Data. International Journal of Digital Curation 13 (1). DOI: https://doi.org/10.2218/ijdc.v13i1.609

🖥 TEACHING EXPERIENCES

❑ **Guest Lecturer, School of Computing and Information, University of Pittsburgh**
- *Data Visualization.* LIS 2678 Data Science for Library and Information Professionals (Summer 2018)
- *Introduction of Open Government Data.* LIS 2975 Research Data Management (Fall 2017)

❑ **Instructor, Baidu Co., Ltd, Beijing, China. Dec. 2006 – Feb. 2010**
- Performing lectures to new employees and internal training for existing employees, two hours per day on average. The training courses included:
  - Company Culture Introduction
  - Products Introduction
  - Basis of Internet Technology
  - Social Etiquette
  - Stress Management

❑ **Curriculum development, School of Computing and Information, University of Pittsburgh**
- LIS 2021Identifying Information Needs in Knowledge Organizations online course (Spring 2020)

❑ **Onboard training and internal employee training mechanisms development. Baidu Co., Ltd, Beijing, China. Dec. 2006 – Feb. 2010**
- Design the training mechanisms for different levels of employees, including the levels of new, entry intermediate and senior, also, manager and senior manager levels.
- Using user-center design method to design and conduct interviews to learn training needs, analyzed the interview results and then designed the courses and training techniques according to the analysis results.
- Evaluated and documented training session performance

❑ **Teaching Assistant, School of Computing and Information, University of Pittsburgh**
LIS 2020 Lifecycles of Data and Information (Fall 2019, 2020, 2021)
LIS 2020 Lifecycles of Data and Information Online (Fall 2020)
LIS 2030 Data and Information in Systems (Spring 2021)
LIS 2332 Resources and Services for Adults (Spring 2019)
LIS 2323 Resources for Young Adults (Spring 2019)
LIS 2005 Knowledge Organization (Fall 2018)
LIS 2186 Information Policy (Fall 2018)
LIS 2678 Data Science for Library and Information Professionals (Summer 2018)
LIS 2184 Intellectual Property and Open Movements (Summer 2018)
LIS 2110 Research Method in Library and Information Science (Spring 2018)
LIS 2975 Research Data Management (Fall 2017)

📄 ACADEMIC SERVICES

- Reviewer of ACM Conference on Human Factors in Computing Systems (CHI) 2021
- Reviewer of Journal of PLOS ONE 2021
- Reviewer of Aslib Journal of Information Management 2021
- Reviewer of Journal of The Association for Information Science and Technology (JASIST) 2020
- Reviewer of ASIS&T Asia-Pacific Regional Conference, 2020
- Member of ASIS&T, 2019-2020
- Member of SIGIR (ACM), 2019-2021
- Student volunteer, 13th International Digital Curation Conference

💼 SELECTED PPROFESSIONAL EXPERIENCE

Context Communication Design Engineer (volunteer) May. 2021 Aug. 2021	**Civic Software Foundation—Emergent Lab for Context-Aware Systems** - This project seeks to examine the values of context information for civic data, and investigate the crucial context information for users to use civic data - Collaborated with other designers to develop a design prototype of a mobile interface for users to interact with the context information by using Figma
HCI Intern May. 2020 Aug. 2020	**Human Engineering Research Laboratories, University of Pittsburgh** - Investigated the features, device compatibility and communication protocols, and installation environments of the existing smart devices such as smart bulbs, smart locks, and smart switches. - Designed a database interface for the project by using Axure.
Graduate Student Researcher Sep. 2016 Aug. 2017	**Western Pennsylvania Regional Data Center (WPRDC)** Research on supporting users to access open government data (OGD). This study seeks to explore what contextual information users require when they access OGD. - Utilizing exploratory-sequential mixed-method design. A semi-structured interview was conducted first to obtain deeper insights into the users' needs for crucial contextual information. - Employing the synthesis of the interview results and the sense-making theories, we designed a Survey and disseminated it to a large group of users. - By conducting qualitative and quantitative analysis, we identified a framework of crucial contextual information that can facilitate to access OGD. - This research paper was presented in the 2019 Conference on Human Information Interaction and Retrieval.

Product Specialist (Intern) Sep. 2015 Apr. 2016	**Menusifu. Inc.(New York City)** ▪ Identified and collected users' needs by communicating with customers ▪ Designed product interfaces and functions according to users' needs and suggestions from colleagues in software engineer department. ▪ Controlled the timelines of product development in order to ensure timely production completion
Project Specialist (Full time) Mar. 2010 Jun. 2012	**Baidu Co., Ltd, Beijing, China** ▪ Collaborated with product management and software engineer to design internal management products, including the Business Process Management System and an Online Training System used by more than 2000 employees in five sales branches of Baidu. ▪ Helped coordinate the Pangu project which increased sales by 114.34 percent per capita, which received 2011 Baidu President's Special Award. ▪ Analyzed sales performance data from branches nationwide and generated reports for the director.

✖ RESEARCH SKILLS

Qualitative user study: Interview, Content Analysis, Experimental Research Design, Usability Test, Focus Group

Quantitative method: Transaction Log Analysis, Survey

Statistical Analysis: SPSS

Programing skill: Python

Data Visualization: Gephi, Tableau