

Malik Oyewale Salami

PhD Candidate

Information Sciences | University of Illinois Urbana–Champaign
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EDUCATION

Ph.D. in Information Sciences School of Information Sciences, University of Illinois Urbana–Champaign (UIUC)	Spring 2027
Master of Information Science University of Ibadan, Nigeria	2014
Postgraduate Diploma in Education Usmanu Danfodiyo University, Sokoto, Nigeria	2013
Bachelor of Technology in Computer Science Ladoke Akintola University of Technology, Nigeria	2008

AREAS OF INTEREST

Data and Information Quality
Metascience
Science of Science
Social Computing
Computational Information Science

EMPLOYMENT

Graduate Research and Teaching Assistant School of Information Sciences, University of Illinois Urbana–Champaign	2021 - 2026
Higher Technical Instructor Computer Craft Studies Department, Government Technical College, Oyo, Nigeria	2013 - 2021

TEACHING EXPERIENCE

School of Information Sciences, University of Illinois Urbana – Champaign	2021- 2025
Teaching Assistant: Undergraduate Courses in Information Sciences + Data Science IS 305 Programming for Information Problems II	
Teaching Assistant: Graduate Courses in Information Sciences + Information Management + Computer Science IS 477 Data Management, Curation, & Reproducibility	

- CS 513 Theory and Practice of Data Cleaning
- IS 577 Data mining
- IS 515 Information Modeling
- IS 507 Data, Statistical Models, and Information
- IS 504 Sociotechnical Information System

Study Group

Instructor, Explainable AI Study Group.
<https://xaistudygroup.github.io/announcement/>

Spring 2022

RESEARCH EXPERIENCE

Graduate Research Assistant, Information Quality Lab, UIUC Summer 2026
 Research focus: Academic Mentorship Model
 Supervisor/Advisor: Professor Vetle I. Torvik

Graduate Research Assistant, Information Quality Lab, UIUC 2023 - 2025
 Research focus: Retraction indexing agreement among bibliographic database systems
 Supervisor/Advisor: Professor Jodi Schneider

Graduate Research Assistant, Coordinated Science Lab, UIUC 2023
 Research focus: Data management of antimicrobial resistance data
 Supervisor: Professor Ellen Moodie

PUBLICATIONS

Refereed Journal Articles (Published / Accepted)

1. **Salami, M.O.**, McCumber, C., & Schneider, J. (2026). Analyzing the consistency of retraction indexing. *Quantitative Science Studies* (Accepted) (doi: https://osf.io/gvfk5_v4 —Preprint)
2. Fang, L., **Salami, M. O.**, Weber, G. M., & Torvik, V. I. (2025). uCite: The union of nine large-scale public PubMed citation datasets with reliability filtering. *Data in Brief*, 111535. doi: [10.1016/j.dib.2025.111535](https://doi.org/10.1016/j.dib.2025.111535)
2. Salisu, S.A., & **Salami, M.O.** (2020). A bibliometric analysis of Nigeria's research performance, 1901-2016. *African Journal of Library, Archives & Information Science*, 30 (1), 23-36. doi: doi.org/10.29173/istl1726
3. **Salami, M.O.**, & Olatokun, W.M. (2018). Citation analysis of PhD theses at Faculty of Science, University of Ibadan, Nigeria. *Issues in Science and Technology Librarianship (ISTL)*. <https://journals.library.ualberta.ca/istl/index.php/istl/article/view/1726>
4. **Salami, M.O.**, & Olatokun, W.M. (2017). Citation network analysis of science doctoral theses in the Faculty of Science, University of Ibadan. *Library Philosophy and Practice*, 1526. <https://digitalcommons.unl.edu/libphilprac/1526/>

Working Papers (underlined names are students mentored)

1. **Salami, M.O.**, Torvik, V.I. (In progress). A Probabilistic Framework for Mining Mentorship in Coauthorship Networks
2. **Salami, M.O.**, Fang, L., Torvik, V.I. (In progress). Can LLMs Identify Advisor-Advisee Relationships in Coauthorship Network Based on Publication Metadata?

Refereed Articles in Conference Proceedings

* Presenter, mentee underlined

1. Si, L., **Salami, M. O.***, & Schneider, J. (2026, September 9). *Tracking the data quality landscape of retracted papers: Flag usage in titles and changes in DOI retraction status*. 30th Annual International Conference on Science and Technology Indicators. <https://jodischneider.com/pubs/stiend2026.pdf> [accepted]
2. **Salami, M. O.***, McCumber, C., & Schneider, J. (2024, November 6-13). Reassessment of the agreement in retraction indexing across 4 multidisciplinary sources: Crossref, Retraction Watch, Scopus, and Web of Science. *ASIS&T MET-STI 2024: Workshop on Informetric, Scientometric and Scientific and Technical Information Research*. doi: [10.5281/zenodo.14004526](https://doi.org/10.5281/zenodo.14004526)
2. Schneider, J., Lee, J., Zheng, H., & **Salami, M. O.*** (2023, September). Assessing the agreement in retraction indexing across 4 multidisciplinary sources: Crossref, Retraction Watch, Scopus, and Web of Science. In *27th International Conference on Science, Technology and Innovation Indicators (STI 2023)*. doi: [10.55835/6441e5cae04dbe5586d06a5f](https://doi.org/10.55835/6441e5cae04dbe5586d06a5f)

Poster Presentations

1. **Salami, M.O.***, Torvik, V.I. (2026, June 29 - July 1). A Probabilistic Model of Mentorship in a Large-Scale Coauthorship Network. *International Conference on the Science of Science and Innovation*, Boulder, Colorado
2. **Salami, M.O.***, & Schneider, J. (November 15, 2023). *Analyzing retraction indexing quality*. Poster presentation at iSchool Research Showcase at University of Illinois, Urbana-Champaign. <https://hdl.handle.net/2142/123377>
3. **Salami, M.O.*** (October 27, 2021). *Towards an assessment of funded research in Africa*. Poster presentation at iSchool Research Showcase at University of Illinois, Urbana-Champaign. <https://hdl.handle.net/2142/123369>

Guest Lectures

1. **Salami, M.O.** (March 25, 2025). *A probabilistic model to identify and study mentorship relationships in coauthorship networks*. IS 400 Colloquium. Instructor-in-charge: Professor Vette I. Torvik. Presentation at the iSchool, at University of Illinois, Urbana-Champaign.

DATASETS

(underlined names are students mentored)

1. **Salami, M. O.**, & McCumber, C. (2026). *Redacted dataset for Analyzing the Consistency of Retraction Indexing* (Version 2) [Dataset]. University of Illinois Urbana-Champaign Databank. https://doi.org/10.13012/B2IDB-8114408_V2
2. Fang, L., **Salami, M. O.**, Weber, G. M., & Torvik, V. I. (2025). *uCite: The union of nine large-scale public PubMed citation datasets with reliability labels*. University of Illinois Urbana-Champaign. doi: [10.13012/B2IDB-6818660_V1](https://doi.org/10.13012/B2IDB-6818660_V1)
2. **Si, L.**, **Salami, M. O.**, & Schneider, J. (2025). *Dataset on tracking the data quality landscape of retracted papers: Flag usage in titles and changes in DOI retraction status*. University of Illinois Urbana-Champaign. doi: [10.13012/B2IDB-2907908_V1](https://doi.org/10.13012/B2IDB-2907908_V1)
3. **Si, L.**, **Salami, M.O.**, & Schneider, J. (2025). *Dataset tracking DOIs marked as retracted in Crossref as of April 2023 but no longer marked in Crossref as retracted as of July 2024*. University of Illinois Urbana-Champaign. doi: [10.13012/B2IDB-5333456_V1](https://doi.org/10.13012/B2IDB-5333456_V1)
4. McCumber, C., & **Salami, M.O.** (2025). *An attempt to identify 199 PubMed items excluded from "Analyzing the consistency of retraction indexing"*. University of Illinois Urbana-Champaign. doi: [10.13012/B2IDB-6684660_V1](https://doi.org/10.13012/B2IDB-6684660_V1)
5. **Salami, M.O.**, & McCumber, C. (2024): *Dataset for reassessment of the agreement in retraction indexing across 4 multidisciplinary sources: Crossref, Retraction Watch, Scopus, and Web of Science*. University of Illinois Urbana-Champaign. doi: [10.13012/B2IDB-8457537_V1](https://doi.org/10.13012/B2IDB-8457537_V1)
6. **Salami, M. O.**, Lee, J., & Schneider, J. (2023). *Stopwords and keywords for manual field assignment for the STI 2023 paper Assessing the agreement in retraction indexing across 4 multidisciplinary sources: Crossref, Retraction Watch, Scopus, and Web of Science*. University of Illinois Urbana-Champaign. doi: [10.13012/B2IDB-8847584_V2](https://doi.org/10.13012/B2IDB-8847584_V2)

SELECTED MANUSCRIPTS

1. **Salami, M.O.** & Schneider, J. (2024). *PROTOCOL: Distinguishing retracted publication from retraction notices in Crossref data [Version 2.1]*. <https://hdl.handle.net/2142/125231>
2. Schneider, J., Lee, J., Zheng, H., & **Salami, M.O.** (2023). *Supplement for Assessing the agreement in retraction indexing across 4 multidisciplinary sources: Crossref, Retraction Watch, Scopus, and Web of Science*. <https://hdl.handle.net/2142/120613>

MENTORING EXPERIENCE

1. Luyang Si (2024 - 2025): B.Sc. in Information Sciences, School of Information Sciences, University of Illinois Urbana – Champaign

Mentorship Outcome:

Si, L., Salami, M. O., & Schneider, J. (2026, September 9). *Tracking the data quality landscape of retracted papers: Flag usage in titles and changes in DOI retraction status*. 30th Annual International Conference on Science and Technology Indicators. <https://jodischneider.com/pubs/stiend2026.pdf> (accepted)

Si, L., **Salami, M.O.**, & Schneider, J. (July 18, 2025). *Data quality assessment of retracted papers: Patterns and retraction status shifts in titles*. Oral Presentation at 2025 STEM Career Exploration and Symposium at University of Illinois, Urbana-Champaign. <https://hdl.handle.net/2142/129059>

Si, L., **Salami, M.O.**, & Schneider, J. (April 24, 2025). *Analyzing the consistency of retraction phrases among different journals in Crossref data*. Presentation at 2025 Undergraduate Research Symposium at University of Illinois, Urbana-Champaign. <https://hdl.handle.net/2142/129058><https://hdl.handle.net/2142/129058>

Si, L., **Salami, M.O.**, & Schneider, J. (November 6, 2024). *Distinguishing retracted publications from retraction notices in Crossref data*. Poster presentation at iSchool Research Showcase at University of Illinois, Urbana-Champaign. <https://hdl.handle.net/2142/125134>

2. Zhiheng Ye (2024): B.Sc. in Statistics + Data Science, Department of Statistics, University of Illinois Urbana – Champaign

CERTIFICATION

Certificate in Foundations of Teaching, University of Illinois	2025
Certified Teacher, Teacher Registration Council of Nigeria	2016

AWARDS & HONORS

Facilitating Learning Excellence Award, UIUC	2025
ASIS&T Doctoral Colloquium [selected participant]	2025
Mentoring Certificate, University of Illinois Urbana-Champaign. Recognized for achievement in mentoring.	2025
Best Student Paper Award, ASIS&T MET-STI 2024 Conference. Monetary Award (\$500).	2024
Graduate College Conference Travel Award. Monetary Award (\$38.00); ASIS&T MET-STI 2024	2024
CWTS Scientometrics Summer School	2022
The Summer Institutes in Computational Social Science	2021

Oyo State Government Scholarship (Nigeria) Award. (100, 000 Naira) 2012

SERVICE

Committee Member

Student Representative, Doctoral Student Committee, School of Information Sciences, UIUC 2025 - 2026

Volunteering (selected)

Pointer Person, 2025 2025 STEM Career Exploration and Symposium at UIUC 2025

Reviewer, Conferences and Workshops

Association for Information Science and Technology (ASIS&T) Annual Meeting 2026

Proceedings of the Annual Conference of CAIS 2026

The 3rd International Conference on Foundation and Large Language Models (FLLM2025) 2025

The 2nd International Conference on Foundation and Large Language Models (FLLM2024) 2024

Reviewer, Posters

The iConference 2026 2026

TECHNICAL COMPETENCY

Programming: Python (including Polars, Pandas, multiprocessing), High-Performance and Parallel Computing (e.g. Slurm job scheduler, multi-core optimization)

Data Analysis: Python, OpenRefine

Databases: SQL, MySQL

Cloud Platforms: AWS,

Project Management Tools: Asana, Jira, GitHub