

THU-MAI LEWIS CHRISTIAN

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EDUCATION

In progress	Ph.D., Information and Library Science University of North Carolina at Chapel Hill
2012	M.S., Information Science Concentration in Archives and Records Management University of North Carolina at Chapel Hill
2007	M.A., Art History University of North Carolina at Chapel Hill
2004	B.A., Art History University of North Carolina at Chapel Hill

EMPLOYMENT

2015 - present	Assistant Director for Archives H. W. Odum Institute for Research in Social Science University of North Carolina at Chapel Hill
2012 - 2015	Data Archivist H. W. Odum Institute for Research in Social Science University of North Carolina at Chapel Hill
2010 - 2012	Graduate Research Assistant for Data Archives H. W. Odum Institute for Research in Social Science University of North Carolina at Chapel Hill
2007 - 2010	Survey Research Project Coordinator H. W. Odum Institute for Research in Social Science University of North Carolina at Chapel Hill
2003 - 2006	Survey Research Call Center Supervisor Carolina Survey Research Laboratory University of North Carolina at Chapel Hill
2002 - 2003	Survey Research Interviewer

Carolina Survey Research Laboratory
University of North Carolina at Chapel Hill

1996 - 2002 **Secure Communications and Computer Systems Technician (Staff Sergeant)**
United States Air Force and Air National Guard

TEACHING ACTIVITIES

COURSES

Spring 2016 **INLS 690-242: Data Sharing Among Scientists**
Graduate-level course (1.5 credit hours)

Spring 2014 **INLS 756: Data Curation and Management**
Graduate-level course teaching practicum (3 credit hours)
Instructor: Dr. Helen Tibbo

2006 - 2007 **University of North Carolina Writing Center**
Teaching Assistant (Writing Tutor)

Fall 2006 **ARTH 453: Africa in the American Imagination**
Undergraduate-level course Graduate Research Consultant (3 credit hours)
Instructor: Dr. Carol Magee

SHORT COURSES AND WORKSHOPS

2016, 2017, 2018 **Data Sharing, Description, and Reuse**
Data Science and Visualization Institute for Librarians (DSVIL) workshop

2018 **Engaging Researchers in Data Management by Focusing on Reproducibility of Results**
FORCE 2018 pre-conference workshop

2018 **Curating for Reproducibility: Producing High Quality Data and Code for Transparent and Reproducible Research**
IDCC 2018 pre-conference workshop

2015, 2016, 2017 **Open(ing) Data: Considerations in Data Sharing and Reuse**
Data Matters™ short course

2015, 2016, 2017 **Data Curation: Managing Data throughout the Research Lifecycle**
Data Matters™ short course

2017 **Curating for Reproducibility: Why and How to Review Data and Code**
IASSIST pre-conference workshop

SERVICE ACTIVITIES

2018 - present	Roper Center for Public Opinion Research Advisory Committee Member
2017 - present	Qualitative Data Repository Technical Advisory Board Member
2016 - present	Curating for Reproducibility (CURE) Consortium Founding Member
2012 - present	Inter-university Consortium for Political and Social Research (ICPSR) Official Representative
2017	Scientific Data Journal Peer Reviewer
2014, 2015	iPRES Conference Program Committee Peer Reviewer
2014 - 2015	School of Information and Library Science Diversity Committee University of North Carolina at Chapel Hill Graduate Student Representative
2011 - 2012	Provost's Task Force on the Stewardship of Research Data University of North Carolina at Chapel Hill Graduate Research Assistant

PUBLICATIONS

ARTICLES

Christian, T., Lafferty-Hess, S., Jacoby, W., & Carsey, T. (2018). Operationalizing the replication standard: A case study of the data curation and verification workflow for scholarly journals. *International Journal of Data Curation*, 13(1). <https://doi.org/10.2218/ijdc.v13i1.555>

Curiel, J., Sanders, A., **Christian, T.**, Lafferty-Hess, S., Carsey, T., Lampiris, L., & Slade, G. (2018). Fluoridation advocacy in referenda where media coverage is balanced yet biased. *The Journal of the American Dental Association*, 149(4), 273-280.e3. <https://doi.org/10.1016/j.adaj.2017.10.016>

Lafferty-Hess, S., & **Christian, T.** (2016). More data, less process? The applicability of MPLP to research data. *IASSIST Quarterly*, 40(4), 6-13. http://www.iassistdata.org/sites/default/files/vol40-4_hess.pdf

BOOK CHAPTERS

Ahalt, S., Aikat, J., Bedard, D., Burchinal, M., Carsey, T., **Christian, T.**, ... Whitton, M. (2016). VISR: The

virtual institute for social research. In P. Bantin (Ed.), *Building trustworthy digital repositories: Theory and implementation* (pp. 292–306). London, UK: Rowman & Littlefield.

CONFERENCE PROCEEDINGS

Christian, T., & Lafferty-Hess, S. (2015). Achieving transparency and replicability: A data curation, verification, and publication workflow. In *Proceedings of the 12th International Conference on Preservation of Digital Objects*. Chapel Hill, NC. https://phaidra.univie.ac.at/detail_object/o:429580

Tibbo, H., & **Christian, T.** (2015). Targeting audiences among the masses: A data curation MOOC for researchers & information professionals. In *Proceedings of the 12th International Conference on Preservation of Digital Objects*. Chapel Hill, NC. https://phaidra.univie.ac.at/detail_object/o:429607

Tibbo, H., & **Christian, T.** (2014). The CRADLE Project: Networked instruction for research data curation education. In *Proceedings of the 11th International Conference on Preservation of Digital Objects*. Melbourne, Australia. <http://ipres2014.org/sites/default/files/upload/iPres-Proceedings-v006.pdf>

Christian, T., Crabtree, J., McGovern, N., & Altman, M. (2011). Overview of SafeArchive: An open-source system for automatic policy-based collaborative archival replication. In *Proceedings of the 8th International Conference on Preservation of Digital Objects*. Singapore: ACM Press. https://phaidra.univie.ac.at/detail_object/o:294264

PRESENTATIONS

TALKS

Christian, T. (2018). *The Confirmable Reproducible Research (CoRe2) Environment: Linking tools to promote computational reproducibility*. Invited talk presented for the Data Preservation Alliance for the Social Sciences (Data-PASS) workshop at the 114th American Political Science Association Annual Meeting, Boston, MA.

Christian, T., & Gooch, M. (2018). *Data policy implementation: Practices and perspectives from the scholarly publishing community*. Talk presented at the 44th IASSIST Annual Conference, Montréal, Canada.

Gooch, M., & **Christian, T.** (2018). *The upside down of data: Honest community engagement*. Pecha kucha presented at the 44th IASSIST Annual Conference, Montréal, Canada.

Anderson, S., & **Christian, T.** (2018). *Realizing research reproducibility before and after the archive*. Panel talk presented at the 2018 Research Data Access and Preservation Summit, Chicago, IL.

Christian, T. (2017). *Adapting data verification workflows to accommodate restricted replication data*. Invited talk presented for the Data Preservation Alliance for the Social Sciences (Data-PASS) workshop at the 113th American Political Science Association Annual Meeting, San Francisco, CA.

Christian, T. (2017). *Integrating data verification into the manuscript publication workflow*. Invited talk presented for the Data Preservation Alliance for the Social Sciences (Data-PASS) workshop at the 3rd

Annual Dataverse Community Meeting, Boston, MA.

Christian, T., Arguillas, F., & Peer, L. (2016). *Data curation for data quality and reproducibility*. Panel presentation at the 42nd IASSIST Annual Conference, Bergen, Norway.

Christian, T. (2015). *Metadata and data curation services*. Invited talk presented at the 1st Annual Dataverse Community Meeting, Boston, MA.

Sexton, J., Henley, A, & **Christian, T.** (2015). *The Research Hub @ Davis Library: Reflections on our first semester*. Talk presented at the 2015 LAUNC-CH Conference, Chapel Hill, NC.

POSTERS

Christian, T., Peer, L., & Arguillas, F. (2018). *Education for (a) CURE: Developing a prescription for training in data curation for reproducibility*. Poster presented at the 44th IASSIST Annual Conference, Montréal, Canada.

Peer, L., **Christian, T.**, & Arguillas, F. (2017). *The Curating for Reproducibility (CURE) Consortium*. Poster presented at the 43rd IASSIST Annual Conference, Lawrence, KS.

Christian, T., & Lafferty-Hess, S. (2016). *Data curation and archiving services powered by Dataverse*. Poster presented at the 2nd Annual Dataverse Community Meeting, Boston, MA.

Lafferty-Hess, S., & **Christian, T.** (2015). *Implementing a data citation workflow for the State Politics & Policy Quarterly journal*. Poster presented at the 41st IASSIST Annual Conference, Minneapolis, MN.

Tibbo, H., **Christian, T.**, Crabtree, J., Hayslett, M., Hayes, B., Mizzy, D., Mihas, P., Gooch, A., & Lafferty-Hess, S. (2014). *CRADLE: Curating Research Assets Using Lifecycle Education*. Poster presented at the 9th International Digital Curation Conference, San Francisco, CA.

Christian, T., Crabtree, J., Lafferty-Hess, S., Bucknall, T., & Kellam, L. (2013). *Scaling up to do data: Managing cross-disciplinary inter-institutional data in the Dataverse Network*. Poster presented at the 39th IASSIST Annual Conference, Cologne, Germany.

Crabtree, J., Altman, M., **Christian, T.**, & McGovern, N. (2013). *Why preservation networks need collection auditing and how to do it*. Poster presented at the 8th International Digital Curation Conference, Amsterdam.

Altman, M., **Christian, T.**, Crabtree, J., & McGovern, N. (2011). *Overview of the SafeArchive System*. Poster presented at the 7th International Digital Curation Conference, Bristol, UK.

Altman, M., **Christian, T.**, Crabtree, J., & McGovern, N. (2011). *SafeArchive: An open-source system for policy-based collaborative archival replication*. Poster presented at the 8th International Conference on Preservation of Digital Objects, Singapore.

Carrier, R., **Christian, T.**, Crane, E., & Thompson, C. (2011). *A script for research data archiving: Improving accuracy and efficiency in the Dataverse Network*. Poster presented at the 71st Annual Meeting of the Society of American Archivists, Chicago, IL.

GRANTS RECEIVED

- 2018 - 2021 **Confirmable Reproducible Research (CoRe2) Environment: Linking Tools to Promote Computational Reproducibility**
\$501,416 | Alfred P. Sloan Foundation #G-2018-11121
Co-principal Investigator
- 2018 **Reproducibility Travel Grant**
\$500 | Code Ocean
- 2017 - 2019 **Data Curation for Reproducibility (Data CuRe) Training Program Planning**
\$49,820 | Institute of Museum and Library Services #RE-87-17-0074-17
Principal Investigator
- 2017 - 2018 **Increasing the Value of Open Access through Open Data Publication Policies**
\$184,450 | Robert Wood Johnson Foundation #OAR 74419
Principal Investigator
- 2014 - 2018 **The Institutional Foundations of Judicial Independence**
\$128,096 | National Science Foundation #1424013
Co-principal Investigator
- 2013 - 2016 **CRADLE: Curating Research Assets and Data Using Lifecycle Education**
\$499,002 | Institute of Museum and Library Services #RE-06-13-0052-13
Co-principal Investigator

AWARDS AND HONORS

- 2016 **Best Conference Paper Award**
"More Data, Less Process? The Applicability of MPLP to Research Data"
42nd IASSIST Annual Conference
- 2013 **Beta Phi Mu Epsilon Chapter**
International Library and Information Studies Honor Society
- 2013 **Poster Presentation Award – Honorable Mention**
"Why Preservation Networks Need Collection Auditing and How to Do It"
Curate Thyself PhD Symposium
- 2012 **Professor Lester Asheim Fellowship**
School of Information & Library Science, University of North Carolina at Chapel Hill
- 2005 **North Carolina Minority Presence Fellowship**
The Graduate School, University of North Carolina at Chapel Hill