CLIFFORD B. ANDERSON

INFORMATION SCIENCE PROFESSIONAL

cliff@cliffordanderson.net

615.322.6938

Nashville, TN

www.cliffordanderson.net

Fluent: English (Native)
Advanced: Dutch, German
Intermediate: Chinese, French

AREAS of EXPERTISE

Cloud Computing

Data Analytics

Digital Strategy

Program Management

Software Engineering

XML-Based Publishing

EDUCATION

Master of Science (M.S.)
Library & Information Science
Pratt Institute
2012

Doctor of Philosophy (Ph.D.)
Princeton Theological Seminary
2005

Master of Theology (Th.M.)
Princeton Theological Seminary
1996

Master of Divinity (M.Div.)
Harvard Divinity School
1995

Bachelor of Arts (A.B.)
Philosophy
Kenyon College
1992

PROFESSIONAL SUMMARY

Driven and enthusiastic information science advocate with twenty years' experience investigating, implementing, and promoting innovative technologies for research and learning. Considerable experience developing and delivering computational solutions across a variety of platforms to meet established and emerging educational needs.

PROFESSIONAL APPOINTMENTS

ASSOCIATE UNIVERSITY LIBRARIAN   07/2019 – Present
Research and Digital Strategy
Jean and Alexander Heard Library, Vanderbilt University, Nashville, TN

Lead digital strategy for the university libraries and have responsibility for three units fostering digital research and instruction: Digital Scholarship and Communications, the Visual Resources Center, and the Vanderbilt Television News Archive. Manage a $1.4M budget and lead 3 direct reports, 8 indirect reports, and 27 direct and indirect student workers/undergraduate fellows.

- Course:
  - CMA 1001: Retro-Computing (co-taught with Lutz Koepnick, Professor of Cinema and Media Arts)
- Grants:
  - Project Manager, *WikiCite for Librarians: Interactive Learning Pathways for Information Professionals*, WikiCite Grant (funded by the Alfred P. Sloan Foundation), November 2020
  - Co-Principal Investigator (with Jason Cohen, Mario Nakazawa, and Mark Schoenfield), *Text Mining for the Humanities*, Mellon Partners for Humanities Education Collaborative Grant, Vanderbilt University, 2019-2020
  - Co-Principal Investigator (with Ole Molvig), *Algorithms as Artifacts*, Vanderbilt Institute for Digital Learning (VIDL) Macrogrant, Vanderbilt University, 2018
- Publications:
  - Anderson, Clifford B., and Joseph C. Wicentowski. *XQuery for Humanists*. College Station: Texas A&M University Press, 2020.
  - Anderson, Clifford B. "Preservation and Archiving of Digital Media," *Information Services & Use* 40, no. 3, (January 2020): 201–208.

ADJUNCT PROFESSOR   08/2018 – 08/2020
Electrical Engineering and Computer Science
School of Engineering, Vanderbilt University, Nashville, TN

Developed and taught several iterations of an introductory course in computer science, *The Beauty and Joy of Computing*, for undergraduates.

ADDITIONAL APPOINTMENTS AVAILABLE UPON REQUEST
[HTTPS://WWW.CLIFFORDANDERSON.NET/FILES/CV.PDF](https://www.cliffordanderson.net/files/cv.pdf)

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SELECTED CERTIFICATES

AWS Certified Cloud Practitioner, 2021

From Media Computation to Data Science
openSAP, 2020

Julia Scientific Programming
University of Cape Town, Coursera, 2017

Graph Analytics for Big Data
University of California San Diego, Coursera, 2016

Introduction to R Programming
Microsoft, EdX, 2015

Pattern-Oriented Software Architecture for Concurrent & Networked Software
Vanderbilt, Coursera, 2013

Computing for Data Analysis
Johns Hopkins, Coursera, 2013

Certified Scrum Master
Scrum Alliance, 2009

Certificate in Intellectual Property Law, School of Professional Studies, New York University, 2009

DIGITAL SKILLS

Languages: Cypher, JavaScript, NetsBlox, Python, SPARQL, SQL, R

Applications: Adobe Creative Cloud, ArcGIS, MapBox, Omeka, Overleaf

Databases: CouchDB, BaseX, eXist, RumbleDB

Frameworks: Apache Spark, AWS Elastic Map Reduce, Databricks

Tools: BibTeX, git, GitHub, Hugging Face, John Snow Labs NLP, LaTeX, oXygen, ngrok, pandoc

XML Standards: XPath, XML Schema, RelaxNG, Schematron, XQuery, XSLT

SELECTED PUBLICATIONS & PRESENTATIONS

PUBLICATIONS

- Anderson, Clifford B., and Jim Duran. "Sustaining Television News Archives," *Journal of Digital Media Management* 8, no. 1 (2019): 82–90
- Anderson, Clifford B., and Hilary A. Craiglow, "Text Mining in Business Libraries," *Journal of Business and Finance Librarianship* 22, no. 2 (2017): 149-165
- Anderson, Clifford B. "What Librarians Can Learn About Project Management from Software Engineers," *American Theological Library Association Summary of Proceedings*, 65 (2011): 331–340

PRESENTATIONS

- Anderson, Clifford B., Brian Broll, Corey Brady, and Mark Schoenfield, "From NetsBlox to Spark…and Back Again," *Snap!Con 2021* (July 29, 2021)
- Anderson, Clifford B., and Lynn Ramey, "Thinking Computationally in the Digital Humanities: Toward Block-Based Programming for Humanists," *Digital Humanities 2019*, Utrecht, The Netherlands (July 12, 2019)
- Anderson, Clifford B., "Experiments in Digital Privacy Education," *Information Ethics, Freedom, and Integrity*, National Information Standards Organization (NISO) Virtual Conference (April 18, 2018)

HONORS & AWARDS

CREATIVE CATALYST   2015-2016
Curb Center for Art, Enterprise, and Public Policy, Vanderbilt University

BETA PHI MU, Theta Chapter   2012
Pratt Institute

PHI BETA KAPPA, Beta Chapter of Ohio   1992
Kenyon College

VIRGIL C. ALDRICH PRIZE IN PHILOSOPHY   1992
Kenyon College

MEMBERSHIPS

Association for Computing Machinery (ACM)

Association for Computers and the Humanities (ACH)

Association for Information Science and Technology (ASIS&T)

Institute of Electrical and Electronics Engineers (IEEE)

VOLUNTEER ACTIVITIES

Wikimedia and Libraries User Group
Steering Committee Member