

AREAS OF EXPERTISE

- Scholar of scientific practice
- Research data management
- Open science infrastructure
- Scientific software development
- Meta-research
- Digital archaeology practice
- Qualitative data analysis
- Network analysis

CURRENT POSITION

2025 – **Postdoctoral Researcher**
Covid-19 Immunity Task Force Databank
Department of Epidemiology, Biostatistics and Occupational Health
School of Public and Global Health, McGill University
 zackbatist.info/CITF-Postdoc
 [zackbatist/CITF-Postdoc](https://github.com/zackbatist/CITF-Postdoc)

EDUCATION

2023 **PhD**, Faculty of Information, University of Toronto
[Archaeological data work as continuous and collaborative practice](#)

2014 **MA**, Department of Anthropology, McMaster University
[Obsidian Circulation Networks in Southwest Asia and Anatolia: A Comparative Approach](#)

2012 **BA**, Directed Interdisciplinary Studies, Carleton University

2009 **DEC**, Social Sciences, Dawson College

GRANTS & FELLOWSHIPS

2019 – 2021 **SSHRC Doctoral Fellowship.** Archaeological data curation as continuous and collaborative practice. Award ID: 752-2019-2233.

PAST POSITIONS

2018 – 2023 **Research Assistant**
E-CURATORS: Pervasive Digital Curation Activities, Objects and Infrastructures in Archaeological Research and Communication
Faculty of Information, University of Toronto

2016 – 2021 **Database Manager**
Stelida Naxos Archaeology Project


2009 **Research Assistant**
Redpath Museum, McGill University

2007 – 2009 **Research Assistant**
Molecular Pharmacology Laboratory
Lady Davis Institute for Medical Research




PUBLICATIONS

JOURNAL ARTICLES



- In review Batist, Z. **Locating creative agency in archaeological data work.** Peer Community in Archaeology.
 doi [10.17613/8eqy4-n1m82](https://doi.org/10.17613/8eqy4-n1m82)
[zackbatist/locating-creative-agency](https://github.com/zackbatist/locating-creative-agency)
- In press Batist, Z. **Balancing situated and objective representations in archaeological fieldwork.** Advances in Archaeological Practice.
[zackbatist/fuzzy-concrete](https://github.com/zackbatist/fuzzy-concrete)
- 2024 Batist, Z. **Does not compute! Accounting for social and situated experiences while integrating and analyzing obsidian sourcing data.** Archeologia e Calcolatori. (special issue comprising papers presented at ArcheoFOSS XVII). 35(2):47-54.
 doi [10.19282/ac.35.2.2024.06](https://doi.org/10.19282/ac.35.2.2024.06)
- 2024 Batist, Z. **On the Value of Informal Communication in Archaeological Data Work.** Open Archaeology. 10(1):20240014.
 doi [10.1515/opar-2024-0014](https://doi.org/10.1515/opar-2024-0014)
- 2024 Batist, Z & Roe, J. **Open archaeology, open source? Collaborative practices in an emerging community of archaeological software engineers.** Internet Archaeology 67.
 doi [10.11141/ia.67.13](https://doi.org/10.11141/ia.67.13)
[zackbatist/openarchaeo-collaboration](https://github.com/zackbatist/openarchaeo-collaboration)
- 2023 Batist, Z & Roe, J. **Open-archaeo: a resource for documenting archaeological software development practices.** Journal of Open Archaeology Data. 11(9):1-7.
 doi [10.5334/joad.111](https://doi.org/10.5334/joad.111)
- 2021 Batist, Z, Masters, V, Torma, TC, Ferris, N, Huvila, I, Ross, S, Carter, WM & Dallas, C. **Figurations of Digital Archaeological Practice in Two Mediterranean Fieldwork Projects.** Open Archaeology (Special Issue on Archaeological Practice on Shifting Grounds) 7(1):1731-1755.
 doi [10.1515/opar-2020-0217](https://doi.org/10.1515/opar-2020-0217)
- 2021 Contreras, D, Batist, Z, Zogheib, C & Carter, T. **Matching Pragmatic Lithic Analysis and Proper Data Architecture: The QuARI R Shiny Database Interface.** Advances in Archaeological Practice 9(4):299-311.
 doi [10.1017/aap.2021.11](https://doi.org/10.1017/aap.2021.11)
[zackbatist/QuARI](https://github.com/zackbatist/QuARI)
- 2017 Carter, T, Batist, Z, Campeau, K, Garfinkel, Y & Streit, K. **Investigating Pottery Neolithic Socio-Economic “Regression” in the Southern Levant: Characterising Obsidian Consumption at Sha’ar Hagolan (N. Israel).** Journal of Archaeological Science: Reports 15:305-317.
 doi [10.1016/j.jasrep.2017.08.016](https://doi.org/10.1016/j.jasrep.2017.08.016)
- 2014 Freund, KP & Batist, Z. **Sardinian Obsidian Circulation and Early Maritime Navigation in the Neolithic as Shown through Social Network Analysis.** Journal of Island and Coastal Archaeology 9(3):364-380.
 doi [10.1080/15564894.2014.881937](https://doi.org/10.1080/15564894.2014.881937)

- 2009 Loignon, M, Miao, W, Hu, L, Bouchard, A, Bismar, TA, Scrivens, PJ, Mann, K, Basik, M, Fiset, PO, Batist, Z & Batist, G. **Frequent Nrf2 depletion due to Cul3 overexpression in breast cancer is associated with sensitivity to carcinogens, oxidative stress and chemotherapy.** *Molecular Cancer Therapeutics* 8(8):2432-2440.
 [10.1158/1535-7163.MCT-08-1186](https://doi.org/10.1158/1535-7163.MCT-08-1186)


Articles in Progress

- In progress Batist, Z, Julie Lund & Isak Roalkvam **Bibliometric network analysis of Viking Age research (BibVik)**
A project whose goal is to identify trends in the published archaeological literature corresponding with shifting attitudes concerning the origins of the Viking Age.
 [zackbatist/BibVik](https://github.com/zackbatist/BibVik)
 <https://zackbatist.info/BibVik>
- In progress Batist, Z. **Constructing the Commons: Archaeological Projects as Organized, Collective Enterprises.** For the Data and Technology Politics in Archaeology Workshop.
Critically evaluates the mediating devices that occur throughout the continuum of archaeological practice, and characterizes them as points of convergence where collaborative commitments are reified and reproduced.
 [zackbatist/data-tech-poli-arch](https://github.com/zackbatist/data-tech-poli-arch)
- In progress Bernier, A., Baltzan, I., Wey, T., Batist, Z. & Fortier, I. **Data Governance in Longitudinal Mother-Child Cohorts: An Empirical Assessment of the Canadian ReACH Studies.**
Compares data use conditions that distinct research teams assign to their datasets.




BOOK CONTRIBUTIONS




- 2018 Graham, S, Gupta, N, Smith, J, Angourakis, A, Reinhard, A, Ellenberger, K, Batist, Z, Rivard, J, Marwick, B, Carter, WM, Compton, B, Blades, R, Wood, C & Nobles, G. **The Open Digital Archaeology Textbook.** eCampus Ontario.
 [o-date.github.io](https://github.com/o-date)
 Award for Outstanding Work in Digital Archaeology, Archaeological Institute of America

OPEN-SOURCE SOFTWARE






- 2020 – 2021 **Queryable Artefact Record Interface (QuARI)**
 A database interface designed to facilitate the irregular, iterative, and non-linear workflows that are commonly employed in lithic analysis.
 [zackbatist/QuARI](https://github.com/zackbatist/QuARI)

OPEN DATASETS



- 2018 – present **open-archaeo** A comprehensive list of open source archaeological software and resources.
 [10.5281/zenodo.8299651](https://doi.org/10.5281/zenodo.8299651)
 [zackbatist/open-archaeo](https://github.com/zackbatist/open-archaeo)
 open-archaeo.info


- 2014 – 2017 **The Database of Obsidian Sourcing Studies (DObsiSS)** A listing of chemically characterized archaeological obsidian, compiled from published journal articles, excavation reports, conference papers and other scholarly records.
 [10.5281/zenodo.55848](https://doi.org/10.5281/zenodo.55848)
 [zackbatist/DObsiSS](https://github.com/zackbatist/DObsiSS)
 zackbatist.info/DObsiSS

OTHER OPEN INITIATIVES

- 2024 – present **Diamond Open Archaeology** A listing of diamond open access archaeology journals.
 [10.5281/zenodo.15026607](https://doi.org/10.5281/zenodo.15026607)
 [open-archaeo/diamond](https://github.com/open-archaeo/diamond)
 diamond.open-archaeo.info
- 2025 – **open-archaeo/ai** A community-led and collaboratively built survey of AI applications in archaeology, which emphasizes how AI methods relate to other and existing archaeological practices, including research ethics and open science. Currently abandoned / in stasis.
 [open-archaeo/ai](https://github.com/open-archaeo/ai)
 ai.open-archaeo.info

CONFERENCE PRESENTATIONS

- 2023 Batist, Z. **Does not compute! Accounting for social and situated experiences while integrating and analyzing obsidian sourcing data.** Paper presented at ArcheoFOSS XVII – Open Science and Archaeology: Archiving the Knowledge. Department of Historical Studies, University of Turin. Turin, Italy, 12-13 December 2023.
- 2023 Batist, Z. **Documenting the collaborative commitments that support data sharing within archaeological project collectives.** Paper presented at Digital Archaeology Bern 2023. Bern Computational and Digital Archaeology lab, University of Bern. Bern, Switzerland, 1-3 February 2023.
 [zackbatist/DAB23](https://github.com/zackbatist/DAB23)
- 2021 Batist, Z & Roe, J. **Open archaeology: a survey of collaborative software engineering in archaeological research.** Paper presented at the 49th Computer Applications and Quantitative Methods in Archaeology Conference (CAA 2021). Limassol, Cyprus (Virtual), 14-18 June 2021.
 [zackbatist/caa2021-openarchaeo](https://github.com/zackbatist/caa2021-openarchaeo)
- 2019 Batist, Z. **Distributing Knowledge Of Digital Workflows Via Workshops And Support Groups.** Lightning talk presented at Our Networks, Re: Infrastructure. Toronto, Ontario, September 20–22, 2019
- 2019 Batist, Z. **Untangling and extending the discursive relations mediated by archaeological data through grounded research.** Paper presented at On shifting grounds – the study of archaeological practices in a changing world, COST-Arkwork and the Department of History and Archaeology, University of Crete. Rethymno, Crete, October 2019.
- 2018 Batist, Z. **Documenting archaeological knowledge construction as socially-embedded information practices.** Paper presented at PhD Research Days 2018, Faculty of Information, University of Toronto. Toronto, Ontario, April 2018.

- 2018 Batist, Z. **Documenting archaeological knowledge construction as distributed information practices.** Paper presented at the 46th Computer Applications and Quantitative Methods in Archaeology Conference (CAA 2018). Tübingen, Germany, March 2018.
 [10.15496/publikation-87754](https://doi.org/10.15496/publikation-87754)
- 2017 Batist, Z & Dallas, C. **A view from the bridge: human- and thing-centred approaches to research practice, disciplinary discourse and local engagement with the archaeological record.** Paper presented at TAG (North America) 2017 - The Medium is the Message: Media and Mediation in Archaeology. Toronto, Ontario, May 2017.
- 2017 Carter, T, Campeau, K, Batist, Z, Garfinkel, Y, Rosenberg, D, Rowan, Y & Streit, K. **Social Interaction at Distance Over the Long Term: Obsidian Sourcing from the Southern Levant (9th – 4th millennia cal BC).** Paper presented at the Society for American Archaeology 82nd Annual Meeting. Vancouver, British Columbia, March – April 2017.
- 2017 Batist, Z. **Identifying Obsidian Procurement Habits during the Pre-Pottery Neolithic in the Levant using Network Analysis.** Poster presented at the Archaeological Institute of America 118th Annual Meeting. Toronto, Ontario, January 2017.
- 2015 Batist, Z. **The Database of Obsidian Sourcing Studies (DObsiSS): Using Git for Collaborative Management of Archaeological Data.** Poster presented at the American Archaeological Institute 116th Annual Meeting. New Orleans, Louisiana, January 2015.
- 2014 Batist, Z. **An Examination of Obsidian Circulation Patterns in Terms of Relational and Geographical Distance in Southwest Asia and Anatolia from the Epi-Palaeolithic to Chalcolithic Periods (14000 – 5700 B.P.).** Paper presented at Archaeological Sciences and the Ancient Mediterranean Environment. The Archaeological Centre, University of Toronto, March 2014.
- 2014 Batist, Z. **Using Network Analysis to Examine Relative Resource Procurement Strategies in Anatolia and Southwest Asia from the Epipaleolithic to Chalcolithic Periods (14,000 – 5700 BP).** Paper presented at the American Archaeological Institute 115th Annual Meeting. Chicago, Illinois, January 2014.
- 2013 Freund, KP & Batist, Z. **Tracking the Circulation of Sardinian Obsidian using Network Analysis: Lithic Procurement, Cultural Interaction, and Early Maritime Navigation in the Neolithic.** Paper presented at Networks of maritime connectivity in the ancient Mediterranean: Structure, continuity, and change over the longue durée. The Archaeology Centre, University of Toronto. Toronto, Ontario, November 2013.
- 2013 Batist, Z. **Using network analysis to examine obsidian assemblage variability in Anatolia and Southwest Asia from the Epi-Palaeolithic to Chalcolithic periods (14000 – 5700 BP).** Paper presented at The Future of Historical Network Research Conference. Historical Network Research, University of Hamburg. Hamburg, Germany, September 2013.
- 2012 Batist, Z. **Eat, Drink and Be Networked: Feasting and Bronze Age Networks.** Invited panelist at the Colloquium on Digital History and the Transnational History of Nursing. Department of History, Carleton University. Ottawa, Ontario, March 2012.

AWARDS & HONORS

- 2019 **Research Travel Grant** (\$500)
Faculty of Arts and Science, University of Toronto
- 2017 **Joseph and Maria Shaw Graduate Student Travel Award** (\$500)
The Archaeology Centre, University of Toronto
- 2015 **McMaster University Travel Scholarship for OpenCon 2015** (\$2500)
McMaster University Library, McMaster University
- 2015 **Edith M. Wightman Travel Scholarship** (\$1000)
School of Graduate Studies, McMaster University
- 2015 **Travel Assistance Grant** (\$500)
School of Graduate Studies, McMaster University
- 2015 **Graduate Student Travel Award** (\$120)
Archaeological Institute of America
- 2014 **Robert P. Wolff Thesis Prize**
Society for Philosophy & Culture, McMaster University
- 2014 **McMaster University Travel Scholarship for OpenCon 2014** (\$2500, declined)
McMaster University Library, McMaster University
- 2012 **Dean's Honour List**
Carleton University
- 2012 **Michael Kelway Oliver Scholarship** (\$2000)
Carleton University
- 2011 **Full Tuition Scholarship** (declined)
Digital Humanities Summer Institute, University of Victoria


TEACHING**TEACHING ASSISTANT**

- 2020 **Curatorial Practice** (MSL 2000)
Faculty of Information, University of Toronto
- 2017 – 2020 **Representing, Documenting, and Accessing the Cultural Record** (INF 1321)
Faculty of Information, University of Toronto
- 2017 **Information Policy, Regulation and Law** (INF 2181)
Faculty of Information, University of Toronto
- 2016 **Archaeology and Popular Culture** (ANTH 2PC3)
Department of Anthropology, McMaster University
- 2014 – 2015 **World Archaeology** (ANTH 2WA3E)
Department of Anthropology, McMaster University
- 2012, 2015 **Introduction to Anthropology: Identity, Race and Power** (ANTH 1AB3E)
Department of Anthropology, McMaster University

2013 **Introduction to Anthropology: Sex, Food and Death** (ANTH 1AA3)
Department of Anthropology, McMaster University


WORKSHOPS & SHORT COURSES

2022 **Using Qualitative Data Analysis Software**
The Ethnography Lab Methods Café: Software in Ethnographic Research Methods
Department of Anthropology, University of Toronto

2018 **Designing and Implementing Relational Databases**
Archaeological Information Interest Group
The Archaeology Centre, University of Toronto
 [zackbatist/archaeo-db-workshop](https://github.com/zackbatist/archaeo-db-workshop)

INVITED PRESENTATIONS

2025 (Oct.) **TBD**
INF 649: Digital Curation
Instructed by Ilja Frissen
School of Information Studies, McGill University

2025 (Apr.) **Articulating data harmonization as pragmatic, collaborative experiences**
[McGill Clinical and Health Information Research Group](#)
School of Population and Global Health, McGill University
 zackbatist.info/CITF-Postdoc/MCHI-2025

2024 (Nov.) **Curating archaeological research data in practice, from the field to the archive**
INF 649: Digital Curation
Instructed by Ilja Frissen
School of Information Studies, McGill University

2024 (Oct.) **Exploring collaborative practices in archaeological software development**
A coffee talk for Dr. Jean-Baptiste Poline and colleagues
[Neuro Data Science ORIGAMI Lab](#), McGill University

OUTREACH

2022 – present **Personal blog**, zackbatist.info/posts
Posts about my research and professional activities

ACADEMIC SERVICE & AFFILIATIONS

COMMUNITY LEADERSHIP

2025 – present **Co-Coordinator** (and member since 2019), Scientific Scripting Languages in Archaeology
Special Interest Group (sslar.ch.github.io)
Computer Applications in Archaeology



2018 – present **Founder and Maintainer**, open-archaeo.info
Index of open source archaeological software and resources

- 2022 – present **Community Moderator**, archaeo.social
Mastodon instance and social media collective for archaeology
- 2022 **Peer Mentor**, UofT Coders Peer Mentorship Program
UofT Coders, University of Toronto
- 2017 – 2021 **Founder and Coordinator**, Archaeological Information Interest Group
The Archaeology Centre, University of Toronto
- 2013 – 2014 **Webmaster**, Nexus: The Canadian Student Journal of Anthropology
Department of Anthropology, McMaster University

COMMITTEES

- 2019 – 2020 **Graduate Student Union Faculty Representative**
Faculty of Information Doctoral Student Association, University of Toronto
- 2016 – 2019 **Tech Fund Committee Member and Coordinator**
Faculty of Information Doctoral Student Association, University of Toronto
- 2013 – 2014 **Graduate Student Association Faculty Representative**
Faculty of Social Sciences, McMaster University

CONFERENCE & PANEL ORGANIZER

- 2023 **archaeo.social: archaeology in the Fediverse and the future of scholarly social media**
Panel convened for [ArcheoFOSS XVII](#) with Joe Roe
Department of Historical Studies, University of Turin
 [archaeo-social/archeofoss23_fediverse](https://github.com/archaeo-social/archeofoss23_fediverse)
 [10.5281/zenodo.10362684](https://doi.org/10.5281/zenodo.10362684)
- 2014 **Second Annual Interdisciplinary Colloquium**
Co-organized with Priscilla Medeiros
Faculty of Social Sciences, McMaster University

INTEREST GROUPS

- 2018 – 2022 UofT Coders (uoftcoders.github.io)
University of Toronto
- 2018 – 2019 Digitality Reading Group
University of Toronto
- 2017 – 2019 Archaeological Theory Interest Group
The Archaeology Centre, University of Toronto
- 2017 – 2021 Archaeological Information Interest Group
The Archaeology Centre, University of Toronto

CERTIFICATIONS

- The Carpentries Instructor Training

REVIEWER

- Open Information Science
- Computer Applications in Archaeology

LANGUAGES

English Mother tongue

French Basic reading and writing