

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

- 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.
 [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.
 [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.
 [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.
 [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.
 [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.
 [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.
 [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.
 [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 review Batist, Z. **Locating creative agency in archaeological data work.** Peer Community in Archaeology.
 [10.17613/8eqy4-n1m82](https://doi.org/10.17613/8eqy4-n1m82)
 [zackbatist/locating-creative-agency](https://github.com/zackbatist/locating-creative-agency)
- in review Batist, Z. **Balancing situated and objective representations in archaeological fieldwork.** Advances in Archaeological Practice.
 [zackbatist/fuzzy-concrete](https://github.com/zackbatist/fuzzy-concrete)
- In progress Batist, Z. **The situation of data papers in archaeological knowledge production.** *Traces how published archaeological datasets are situated within broader citation networks, through empirical analysis of open bibliometric metadata.*
- In progress Roe, J & Batist, Z. **Archaeology in the fediverse: reclaiming ownership of scholarly social media.** *Position paper articulating the discussion held during our panel at ArcheoFOSS XVII.*







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)

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](#)
 [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