Zack Batist

Education

2016 - Present   **PhD - Information Studies**
University of Toronto
Thesis: From pipelines to pragmatic engagement: archaeological data curation as continuous and collaborative practice
Supervised by Dr. Costis Dallas

2012 - 2014   **MA - Anthropology**
McMaster University
Thesis: Obsidian Circulation Networks in Southwest Asia and Anatolia (12,000 - 5700 B.P.): A Comparative Approach
Supervised by Dr. Tristan Carter

2009 - 2012   **BA - Directed Interdisciplinary Studies, High Honours**
Carleton University
Thesis: Feasting In Bronze Age Greece: A Network Analysis Approach
Supervised by Dr. Shawn Graham

2007 - 2009   **DEC - Social Sciences**
Dawson College

Experience

Research

2018 - 2021   **Research Assistant**, E-CURATORS - Pervasive Digital Curation Activities, Objects and Infrastructures in Archaeological Research and Communication
University of Toronto
- Data collection following observational and interview-based methods
- Qualitative data analysis
- Systematic literature review
- Manage and delegate project tasks
- Set up and maintain a cloud server to assist with internal project management tasks

2016 - 2021   **Database Manager**, Stelida Naxos Archaeological Project
The Canadian Institute in Greece & The Cycladic Ephorate of Antiquities
- Design, implementation and maintenance of the project's databases
- Developing tools for knowledge management in fieldwork-based research settings
- Responsible for integrating data across the project's many specialist domains
- Assist with designing queries that suit a variety of research questions
- Supervise the contributions of assistants who help with data entry and data cleaning
- ICT setup and support

2009   **Research Assistant**, Redpath Museum
McGill University
Supervised by Dr. Mitch Irwin
- Transcription of field notes derived from observation of lemur social behaviour

2007 - 2009   **Research Assistant**, Molecular Pharmacology Laboratory
Lady Davis Institute for Medical Research
- Lab technician (sample preparation, western blot analysis, and imaging of results)

Teaching

2020   **Teaching Assistant**, Curatorial Practice (MSL 2000)
Faculty of Information, University of Toronto

2017, 2018, 2020   **Teaching Assistant**, Representing, Documenting, and Accessing the Cultural Record (INF 1321)
Faculty of Information, University of Toronto

2017   **Teaching Assistant**, Information Policy, Regulation and Law (INF 2181)
Faculty of Information, University of Toronto

2016   **Teaching Assistant**, Archaeology and Popular Culture (ANTH 2PC3)
Department of Anthropology, McMaster University

2014, 2015   **Teaching Assistant**, World Archaeology (ANTH 2WA3E)
Department of Anthropology, McMaster University

2012, 2015   **Teaching Assistant**, Introduction to Anthropology: Identity, Race and Power (ANTH 1AB3E)
Department of Anthropology, McMaster University

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

Academic Service	2019 - 2020	**UTGSU Representative**, Doctoral Student Association Faculty of Information, University of Toronto - Participated as a member of the UTGSU General Council and represent the interests of doctoral students from the Faculty of Information - Advise my course union about opportunities and initiatives spearheaded by the UTGSU
	2016 - 2019	**Tech Fund Committee**, Doctoral Student Association Faculty of Information, University of Toronto - Oversew the management of funds allocated to directly enhance information, communication and technology based learning, research and administrative services for PhD students
	2013 - 2014	**Faculty Representative - Social Sciences**, Graduate Students Association McMaster University - Represented the interests of graduate students within my faculty - Co-managed an interdisciplinary graduate student colloquium
Other	2017 - 2021	**Coordinator**, Archaeological Information Interest Group The Archaeology Centre, University of Toronto - Created a forum for discussing how archaeologists engage with information and construct knowledge - Responsible for inviting guest lecturers to speak about their work
	2012 - 2016	**Webmaster**, Nexus: The Canadian Student Journal of Anthropology Department of Anthropology, McMaster University - Transitioned the journal to the Open Journal Systems framework - Designed the updated website - Helped troubleshoot editors' and reviewers' issues navigating the new system - Social media engagement
	2010	**Web Design**, Segal Cancer Center Jewish General Hospital (Montreal) - Contributed to the development of the design for the new website - Coded the new website using a combination of HTML/CSS and CMS-based tools - Coordinated with department heads to generate content to display on the new site - Coordinated with web developers working on other related projects throughout the hospital system
	2008 - 2009	**Distribution Manager**, The Plant: Dawson College's Student Press Dawson College - Responsible for distributing printed copies of the well-established and award-winning student newspaper to distribution stations across campus (~10,000 copies weekly)
Publications **Journal Articles**	In press	D. Contreras, Z. Batist, C. Zogheib & T. Carter. Matching Pragmatic Lithic Analysis and Proper Data Architecture: The QuARI R Shiny Database Interface. Advances in Archaeological Practice.
	2017	T. Carter, Z. Batist, K. Campeau, Y. Garfinkel & K. Streit. 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
	2014	K.P. Freund & Z. Batist. 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
	2009	M. Loignon, W. Miao, L. Hu, A. Bouchard, T.A. Bismar, P.J. Scrivens, K. Mann, M. Basik, P. Fiset, Z. Batist & G. Batist. 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. DOI: 10.1158/1535-7163.MCT-08-1186
Book Contributions	2018	S. Graham, N. Gupta, J. Smith, A. Angourakis, A. Reinhard, L. Richardson, K. Ellenberger, Z. Batist, J. Rivard, B. Marwick, M. Carter, & B. Compton. The Open Digital Archaeology Textbook Environment.
Conference Presentations	2019	Z. Batist. 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 & the Department of History and Archaeology, University of Crete, October 2019.
	2018	Z. Batist. Documenting archaeological knowledge construction as socially-embedded information practices. Paper presented at PhD Research Days 2018. Faculty of Information, University of Toronto, April 2018.
	2018	Z. Batist. 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.
	2017	Z. Batist & C. Dallas. 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	T. Carter, K. Campeau, Z. Batist, Y. Garfinkel, D. Rosenberg, Y. Rowan & K. Streit 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.
	2014	Z. Batist. 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	Z. Batist. 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	K. Freund & Z. Batist. 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, November 2013.
	2013	Z. Batist. 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, September 2013.
	2012	Z. Batist. 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, March 2012.
Posters	2017	Z. Batist. 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	Z. Batist. 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.
Workshop Presentations	2018	Designing & Implementing Relational Databases. Archaeological Information Interest Group, The Archaeology Centre, University of Toronto.

Grants & Scholarships	2019 - 2021	**SSHRC Doctoral Award**, Social Sciences and Humanities Research Council, Government of Canada
	2019	**School of Graduate Studies Research Travel Grant**, Faculty of Arts and Science and the Ontario Institute for Studies in Education, University of Toronto
	2017	**Joseph and Maria Shaw Graduate Student Travel Award**, The Archaeology Centre, University of Toronto
	2015	**McMaster University Travel Scholarship for OpenCon 2015**, McMaster University Library
	2015	**Edith M. Wightman Travel Scholarship**, School of Graduate Studies, McMaster University
	2014	**Robert P. Wolff Thesis Prize**, Society for Philosophy & Culture, McMaster University
	2012	**Michael Kelway Oliver Scholarship**, Carleton University

Software

FetchAbstracts.R
A small script that reads DOIs from a bibtex file, fetches abstracts from Crossref when they are available, and exports another bibtex file with that added info.

Queryable Artefact Record Interface [QuARI]
A flexible and dynamic database interface written in R that facilitates iterative and non- linear workflows employed in lithic analysis and other fieldwork-based tasks.

Resources on the Web

open-archaeo
A list of open source archaeological software and resources that I maintain, along with various other contributors.

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. Includes amounts of obsidian artefacts at sites in southwest Asia and Anatolia made from material derived from various volcanic sources based on geochemical analysis and comparison with geological samples. Last updated January 2017.

Computing Skills

Database Management - MySQL/MariaDB, Neo4J, Microsoft Access, SQLite
R, Python - Data wrangling, data analysis, Shiny app development
Geographic Information Systems - QGIS, GDAL, Leaflet, Carto/Mapbox
Network Analysis - igraph, gephi, cytoscape
Web Development - HTML/CSS, PHP, JavaScript
Audio/Visual - ffmpeg, GoPro hacking, basic video & audio editing
Misc. digital workflow - git, bash, VPS administration, Raspberry Pi tinkering, web scraping, API access