

EMMA GAUSE

egause@uw.edu

EDUCATION

University of Washington, Seattle, WA Present
M.A. Geography / M.S. Epidemiology (3.95 GPA)

McGill University, Montreal, QC May 2015
B.A. Honors Anthropology / Minor Geography (3.85 GPA)

WORK EXPERIENCE

Harborview Injury Prevention Research Center April 2019 - Present
Graduate Student Research Assistant Seattle, WA

Conduct data management and analysis for research projects led by faculty and postdoctoral fellows at HIPRC, including quantitative and spatial data analyses. Assist student interns with data analysis concepts and techniques. Contribute to the preparation of research proposals, internal reports, presentations, and academic publications. 20 hours/week.

Progressive Software Computing, Inc. Jan 2019 - Present
GIS Consultant Remote

Provide GIS expertise for PSCI clients on a project by project basis. This has included creating AGOL story map applications to support program information dissemination and public engagement. Leverage geographic and non-geographic data to produce accessible web content. Hours vary depending on project, up to 15 hours/week.

Apple Maps via Apex Systems, Inc. May 2017 - August 2018
GIS Analyst Sunnyvale, CA

Collect, analyze, validate, and enhance GIS data. Format data for archiving and upload to database for use by other teams. Prepare new GIS content for consumer applications. Responsible for creating and updating training materials. QA/QC others work, and assist with daily issues that may arise. Independent and fast-paced work environment.

Vermont Department of Health, Emergency Preparedness December 2015 - July 2017
EMS Data Program Manager Burlington, VT

Managed the Emergency Medical Services electronic patient care front-end interface and database for the State of Vermont. Configured a new web form and underlying data dictionary to conform with new national EMS data standard NEMSIS 3. Provided data analysis to improve patient care, and support VT injury prevention initiatives. Trained all EMS agencies statewide in new system and best data practices. Served as the division GIS representative. Executed IT contract and managed grant funding.

Vermont Department of Health, Health Surveillance May 2015 - December 2015
GIS Intern Burlington, VT

Used GIS technology and strategies with health data to examine health trends in Vermont. Investigated social vulnerability and disaster risk using R programming language ACS package and the Census Bureau API to query data. Worked with communications to provide an accessible ArcGIS Online Story Map atlas for the public. Maintained ArcGIS Server map services and configured Geocortex Essentials front end applications. Helped develop department wide statistical best practice for hotspot analysis. 40 hours/week.

SERVICE TO PROFESSION

Guest reviewer: American Journal of Public Health, 2019

CONFERENCE PAPERS

Vermont Healthcare & EMS Preparedness Conference <i>Statewide Incident Reporting Network (SIREN) 3.0</i>	November 9-12, 2016 <i>Dover, VT</i>
Northeast Arc Users Group (NEARC) Fall 2016 <i>Providing Situational Awareness during Public Health Emergencies</i> <i>Using Paper Maps and Complimentary Web Mapping Resources</i>	October 16-19, 2016 <i>Falmouth, MA</i>
Northeast Arc Users Group (NEARC) Fall 2015 <i>Public Health Cluster Analysis Methods</i>	November 8-12, 2015 <i>Burlington, VT</i>
Theoretical Archaeology Group Conference <i>Anguilla: A Case Study of Remote Sensing for Archaeology</i>	May 22-24, 2015 <i>New York University, New York, NY</i>
Anthropology Undergraduate Student Conference <i>Mesoamerican Writing and Notational Systems</i>	March 25-27, 2015 <i>McGill University, Montreal, QC</i>

PUBLICATIONS

- Gause, Emma. "A Critique: Jared Diamond's Collapse Put In Perspective." *Papers from the Institute of Archaeology* 24.1 (2014), DOI: <http://dx.doi.org/10.5334/pia.467>
- Gause, Emma. "Egyptian Lamp." *Behind the Roddick Gates* II (2013): 23-26., (The Redpath Museum Club annual publication)

INDEPENDENT RESEARCH

Undergraduate Honors Thesis, "Decolonizing Chieftaincy in Anguilla and the Lesser Antilles" Department of Anthropology, McGill University. April 2015

AWARDS

First Class Honours in Anthropology	May 2015 <i>McGill University</i>
Dean's Honour List	2011-2015 <i>McGill University</i>

TECHNICAL STRENGTHS

GIS	ESRI ArcGIS suite: ArcMap, ArcPro, Spatial Analyst, Network Analyst ArcGIS Server, ArcGIS Online; QGIS, R spatial analysis packages
Computer Languages	R programming language
Software	Stata, SaTScan, GeoDa, ENVI
Visualization	Geocortex Essentials, HP Plotter, AGOL Story Map
Leadership	Program Management, Contract Execution, Grant Writing
Beginner	Python, Unix Command Line, HTML, Arcade, L ^A T _E X