**Elizabeth Carter**

(540) 282-1326 **∙** elizabeth@thecarters.com

**EDUCATION**

**University of California, Los Angeles** Sep 2023-Present

Masters in Applied Geospatial Information Systems and Technology Los Angeles, CA

* GPA 0.00
* Relevant Coursework: Applied Geospatial Data Science

**Brigham Young University** Jun 2018-Dec 2021

Bachelor of Science: Geography, Emphasis in Geospatial Science and Technology Provo, UT

Minor in Digital Humanities and Technology

* GPA 3.79
* Merit Scholarship recipient 2019 – 2021
* L. Elliot Tuttle Scholarship recipient 2021 – 2022
* Relevant Coursework: Advanced GIS, Urban Geography, Cartographic Design, Analytical Cartography

**PROJECTS/RESEARCH**

**Low-Head Dam Analysis** Dec 2020

*Research Assistant* Provo, UT

* Responsible for locating and mapping 50 low-head dams across the United States in three counties in order to track dam type and correlation of deaths due to drowning. Research is continuing with information ultimately being given to local governments to promote awareness about dam-related deaths.

**Publishing UDOT Articles** Jun 2020-Dec 2021

*Research Assistant* Provo, UT

* Responsible for the editing and formatting of master’s theses for publication through Brigham Young University according to BYU publishing standards.
* Responsible for the conversion and formatting of master’s theses for publication through the Utah Department of Transportation according to UDOT publishing standards.

**EXPERIENCE**

**Nebo School District** Dec 2021-Present

*GIS/Route Manager* Spanish Fork, UT

* Responsible for the creation of maps and management of mapping systems across two software platforms.
* Responsible for school boundary maintenance and redistricting of 45 schools.
* Responsible for the analysis of potential school locations and subsequent redistricting.
* Oversee and maintain over 400 school bus routes and over 100 drivers and buses serving roughly 35,000 students.
* Implemented new routing strategies, reducing the overall number of routes and ride times for students while dealing with the nationwide driver shortage.
* Responsible for the creation and management of public-facing boundary, legal, and operations maps.

**Spanish Fork City** Oct 2020-Dec 2021

*GIS Intern* Spanish Fork, UT

* Responsible for the creation of maps and management of enterprise GIS databases serving one dozen departments within city hall and a city of approximately 40,000 people.
* Participated in the transfer of over 200 web maps and apps from the old city server to a new server with greater capabilities. Map data was transferred across servers and map layouts were then recreated according to new layout standards.
* Responsible for overseeing the review process of over four dozen commercial and residential subdivisions within Spanish Fork City.
* Trained new interns in the review process of subdivision development and construction.

**Civil and Construction Engineering - Brigham Young University** Sep 2019-Dec 2021

*Secretary* Provo, UT

* Created schedules for professors and office staff and assisted professors in moving offices as departments were merged within the college.
* Trained 2 new secretaries to manage the new roles of the merged department in addition to tracking departmental expenses.
* Responsible for the creation and distribution of department newsletters for over 1,000 students.
* Assisted in the creation and maintenance of 2 department websites and participated in the transfer of data and creation of new websites as part of the department merge.

**SKILLS**

* Esri products including ArcMap and ArcGIS Pro
* AutoCAD
* Familiar with HTML, Python, JavaScript, LiveCode, SQL, and C#
* ENVI
* Adobe products including InDesign and Illustrator
* Google Earth Pro
* Microsoft OfficeSuite
* Routefinder Pro