**Sarah Dasher**

2208 Camino de Suenos, Alamogordo, NM

srdasher@gmail.com

*GIS developer, cartographer and climate scientist seeking GIS and data science opportunities.*

**Core Skills**

* Hands-on experience building web applications using HTML, CSS, JavaScript, jQuery, Python, Java and JSON
* Experience setting up Postgres SQL databases and writing web applications to interface with those databases
* Hands-on experience developing web applications using Leaflet and D3 libraries
* Hands on experience in creating and analyses maps, cleaning and updating spatial data using ArcGIS for Desktop 9.x/10.x and ArcPro.
* Performed Analysis using Spatial Analyst, 3D Analyst, Geographic Analysis, Geocoding, Network Analyst, Linear Referencing.
* Experience in developing Python/Arcpy programming script to automate the GIS tasks.

**Writing Experience**

*Copywriter/Content Writer*  October 2015 to Present

* Develop copy for new and rebranded corporate websites that is consistent with the client’s desired voice. Integrate information from numerous sources, including financial documents, press releases, and technical presentations.
* Edit academic essays, grant proposals and fundraising letters for grammar, concision and style.
* Clients include Fortune 50 companies as well as numerous pharmaceutical, utility and healthcare companies.

ConocoPhillips December 2012 to April 2015

*Geologist*

* Planned and managed 13-well drilling campaign in the Permian basin. a heritage oilfield in west Texas.

BP USA June to August 2011, 2012

*Geology Intern*

* Quantified potential reserves for a developed field in Oklahoma, and a new prospect in

the central U.S.

Sacramento Country Day School, Sacramento, CA August 2007 to August 2010

*Earth Science and Engineering Teacher*

* Developed and taught original, standards-based Earth Science and curriculum for 80+

students, grades 6-8

Seed Media Group, New York, NY September 2006 to December 2007

*Assistant Editor, Contributing Writer*

* Wrote and edited content for ScienceBlogs, an educational science website, and Seed, an award-winning independent science magazine.

**Education**

University of Wisconsin-Madison May 2019 to May 2021

*M.S. Candidate, Geography*

Coursework in cartography, data science, GIS and computer science.

University of Arizona, Tucson, AZ August 2010 to August 2012

*M.S.,Geosciences*

Teaching Assistant, “Oceanography” and “Life on Earth”

Fellow of the Science Foundation of Arizona (full financial support)

Amherst College, Amherst, MA September 1999 to May 2004

*B.A. with Honors, English and Geology*

Lead Teaching Assistant, “Principles of Geology”; Summer Research and Field Assistant

**Other Work Experience**

Dasher Tutoring November 2015 to Present

*Founder*

Over 3000 hours of academic and test-prep tutoring experience, ionline and in-person, reaching hundreds of students around the world in a one-on-one, and in live and pre-recorded webinars.

**Other Interests and Skills**

* Sierra Club National Outings Volunteer Leader
* Registered Maine Guide
* Interests: running, mountaineering, ultramarathons, nonfiction reading
* International backcountry travel in Patagonia, Russia, Georgia, Iceland, the Alps, and all over the western U.S.