

Sarah Dasher

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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.

Experience

Freelance

October 2015 to Present

Copywriter/Content Writer

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

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
Assistant Editor, Contributing Writer

September 2006 to December 2007

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

Education

University of Wisconsin-Madison
M.S., GIS and Web Map Programming
Coursework in geography, cartography, data science, and GIS.

May 2019 to May 2021

University of Arizona, Tucson, AZ
M.S., Geosciences

August 2010 to August 2012

Teaching Assistant, "Oceanography" and "Life on Earth"
Fellow of the Science Foundation of Arizona (full financial support)

Amherst College, Amherst, MA
B.A. with Honors, English and Geology

September 1999 to May 2004

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

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.