S/D

Sarah Dasher

Data Analyst / Scientist

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CORE SKILLS

- Relational databases
- Data modeling
- SQL, Python, JavaScript, R
- Statistical analysis
- Dashboards and visualizations in Tableau
- IBM Professional Data Scientist Certificate

DATA ANALYSIS EXPERIENCE

ConocoPhillips   December 2012 to April 2015
Geologist
Made scientific and business recommendations based on geologic, petrophysical and drilling data derived from complex relational databases. Presented findings to technical (scientific) and business audiences. Built 2D and 3D data models to represent areas of business interest. Ad hoc queries and analyses.

BP USA   June to August 2011, 2012
Geology Intern
Calculated potential oil reserves for a developed field in Oklahoma, and a new prospect in the central U.S. Built 2D and 3D data models to represent areas of business interest. Presented findings to management.

University of Arizona   August 2010 to August 2012
Graduate Research Assistant
Russell Lab, Dept. of Geosciences. Acquired, transformed, and analyzed satellite weather data using MATLAB. Performed statistical analysis.

EDUCATION

University of Wisconsin-Madison   May 2019 to May 2021
M.Sc., Geographic Information Systems
Coursework in relational databases, spatial and statistical analysis, UX/UI, data visualization, and programming (Javascript and Python).

University of Arizona, Tucson, AZ   August 2010 to August 2012
M.S.,Geosciences (Climate Modeling)
Thesis: The Effects of Topography on the Seasonality of Aridity and Humidity: A Case Study in the Andes from Observations and Modeling Results" Coursework in time series analysis, climate modeling, MATLAB.

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

OTHER WORK EXPERIENCE

Equisolve, Inc.   May 2020 to Present
Contract Copywriter/Brand 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. Manage strict deadlines.

Freelance Academic and Test Prep Tutor   October 2015 to Present
- Conducted webinars for global audiences up to 50 students.
- Contracted with major test prep companies (Varsity, Ready4, Next Step, Kaplan) for private instruction and classes across a variety of platforms.
- Standardized testing specialist with 5000+ hours of instructional experience specializing in math, writing, standardized test prep (SAT/ACT/GRE), as well as military qualifying exams (ASVAB/AFOQT).

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

OTHER INTERESTS AND SKILLS
- SQL, Python, R, Postgres and PostGIS, Tableau, Adobe CS, HTML5/CSS, GIS and energy industry software, Microsoft Office 360, Mac and Windows OS
- Sierra Club National Outings Volunteer Leader
- Registered Maine Guide
- Pacific Crest Trail thru-Hike 2015
- Interests: running, mountaineering, ultramarathons, nonfiction reading
- International backcountry travel in Patagonia, Russia, Georgia, Iceland, the Alps, and all over the western U.S.