Sarah Dasher
Data Analyst & Developer

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Summary

I'm a former teacher and mission-driven data analyst with dual Master's degrees in Geography and Climate Science. I am passionate about environmental and educational policy. I have worked in schools, environmental non-profits, and Fortune 50 companies. The best part of my job is working with people to find and understand the answers they need.

Core Competencies

- Analytics & Reporting
- Data Visualization: OBIEE, Power BI, Tableau, Looker
- Cross-functional Team Collaboration
- Predictive Modeling
- ETL Pipelines
- SQL

Experience

University of Arizona – Tucson, AZ
Data Analyst, University Analytics & Institutional Research

- Serve as the University's primary expert on administrative data and reporting across a $1B research portfolio.
- Design and develop custom reports (financial, personnel, compliance) for internal and external stakeholders.
- Manage complete data pipeline: from intake to modeling to production dashboards.
- Balance routine reporting, dashboard management, long-term projects, and ad hoc data requests.
- Engage with senior leadership, business units, new hires, and external vendors.

LTG Exam Prep / Ready4 – Remote
SAT & GRE Tutor

- Developed test prep materials for a global audience.
- Delivered personalized tutoring and facilitated webinars for up to 50 students.

ConocoPhillips – Houston, TX
Geologist

- Created multidimensional models integrating geologic, petrophysical, and drilling datasets.
- Translated scientific findings into business recommendations.
- Addressed ad hoc data inquiries and analyses from internal teams.

Sacramento Country Day School – Sacramento, CA
Science Teacher (Grades 6–8)

- Designed and taught Earth Science and engineering curricula aligned with academic standards.

Self-employed – Various Locations
Freelance Academic & Test Prep Tutor

- Partnered with Varsity, Ready4, Next Step, Kaplan, Revolution Prep.
- Delivered 1,000+ hours of instruction in math, SAT/ACT/GRE, ASVAB/AFOQT.
- Helped numerous students get into college, qualify for jobs, and master new ideas.

Education

University of Wisconsin–Madison
M.S., Geography & Web Map Programming — May 2021

(Cartography, Data Science, GIS, Programming)

University of Arizona
M.S., Geosciences — August 2012

Thesis: The Effects of Topography on the Seasonality of Aridity and Humidity: A Case Study in the Andes…

Amherst College
B.A., Geology & English — May 2004

Thesis: Detailed Strain Analysis of Metaline Quadrangle, Kootenai Arc, Northeastern Washington

Interests and Activities

- Extensive involvement in southern Arizona's running community
- Sierra Club National Outings Leader
- Elementary School Classroom Aide/Volunteer
- Ultramarathoner
- Pacific Crest Trail Thru-Hike

Technical Proficiencies

- Visualization & BI Tools: Tableau, Power BI, Looker, OBIEE
- Databases: PostgreSQL, Oracle, relational DBs
- Languages & Tools: Python, Java, JavaScript, SQL, MATLAB
- GIS & Mapping: ArcGIS, Mapbox
- Web Development: Node.js, Express, Pug, Tomcat