Sarah Dasher

Cartographer | Developer | Designer

SKILLS

ArcGIS, QGIS, Python, JavaScript, Adobe Illustrator and Photoshop, Landmark, PETRA, FeatureAnalyst

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EDUCATION

University of Wisconsin / MS, Cartography

MAY 2019 - PRESENT, MADISON, WI

Coursework in scripting, data structures, cartographic design.

Final Project (proposed): "Western States: A new interactive web map presence for the US's oldest and most prestigious ultramarathon"

GPA: TBD

University of Arizona / MS, Geosciences

AUGUST 2010 - AUGUST 2012, TUCSON, AZ

Thesis: *The Effects of Topography on the Seasonality of Aridity and Humidity: A Case Study in the Andes from Observations and Modeling Results* , Advisor: Dr. Joellen Russell (GPA, 3.9) Concentration: climate dynamics and modeling.

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

Amherst College / BS, Geology, English

SEPTEMBER 1999 - MAY 2004, AMHERST, MA

B.A. with Honors, English and Geology. Thesis: "Detailed Quantitative Strain Analysis of a Penetratively Deformed Terrane; Kootenay Arc, Northeastern Washington" Advisor: Dr. Tekla Harms (GPA 3.7)

EXPERIENCE

Sapere Aude / Educational Testing Consultant

NOVEMBER 2015 to Present, WICHITA FALLS, TX

Conduct webinars for global audiences up to 50 students. Coached numerous clients to perfect 800 scores in SAT/ACT/GRE and SAT subject tests. Contract with major test prep companies (Varsity, Ready4, Next Step, Kaplan) for private instruction and classes across a variety of platforms. 5000+ hours of instructional experience specializing in SAT/ACT/GRE, as well as military qualifying exams (ASVAB/AFOQT).

ConocoPhillips / Geologist

DECEMBER 2012 - APRIL 2015, HOUSTON, TX

Modeled, evaluated and developed horizontal and vertical prospects in COP's Midland Basin acreage. Made

model- and GIS-based recommendations about lease acquisitions and recompletion potential. Daily use of ArcGIS, PETRA, Landmark and other 2D and 3D GIS and modeling software.

BP USA / Geology Intern

JUNE 2011 - AUGUST 2012, HOUSTON, TX

Daily use of ArcGIS, PETRA, Landmark and other 2D and 3D GIS and modeling software. Built a stratigraphic framework for Pennsylvanian section in Dewey Co, OK. Correlated 20 horizons in 500 wells over 15 townships. Approximated potential recoverable reserves for those units.

Sacramento Country Day School/ Earth Science Teacher

AUGUST 2007 to JUNE 2010, SACRAMENTO, CA

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

Seed Media Group / Assistant Editor

SEPTEMBER 2006 - JUNE 2007, NEW YORK, NY

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

The Chewonki Foundation / Environmental Education Faculty

AUGUST 2004 - JUNE 2006, WISCASSET, ME

Taught residential earth and environmental science programs.