Dylan C. E. Brandt

November 2022

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**OVERVIEW**

I communicate well with others, even under stress. I pay critical attention to the accuracy of my work. I learn quickly and can adapt to find solutions to issues that come up. I am always dedicated to doing the job the right way. I have experience using many household and industrial chemicals, as well as analytical instruments including PXRF and XRD. I know how to use GIS programs (ArcGIS/ArcGIS Pro) and remote sensing data. I have experience using software programs such as, Excel, PAST (paleontological statistics), Sketchup, and Adobe Illustrator. I am self-motivated, eager to learn and teach, collaboration-oriented, and always respectful. I have extensive field experience and outdoor survival skills.

**EDUCATION**

A.S. Madison Area Technical College, Madison, WI 2019 Associate of Science

B.S. University of Wisconsin, Whitewater

Environmental Science, Geoscience Emphasis & GIS Fall 2022

**PROFESSIONAL EXPERIENCE**

2021 Internship at the Wyoming Dinosaur Center (WDC)

2022 Remote Field Site Manager – (WDC)

2019 – 2022 Completion of GIS Courses – GIS I, GIS II,

Applied Environmental GIS, Remote Sensing of the Environment (GIS Certification expected Spring 2023)

**RESEARCH EXPERIENCE**

2021 – 2022 Independent Research Project, (ongoing)

Stratigraphy and Paleoenvironmental Interpretation of a Dinosaur Quarry, Thermopolis, WY

2021 – 2022 Cooperative Research Project, (ongoing)

Taphonomic Study of a Dinosaur Quarry, Thermopolis, WY

2022 Cooperative Research Project, (ongoing)

Description of Microvertebrate Materials from a Dinosaur Quarry, Thermopolis, WY

2022 Cooperative Research Project, (ongoing)

Describing Unique Aspects of Ankylosaurine Taphonomy

**ABSTRACTS**

2022Brandt, 2022, Stratigraphy and Paleoenvironments at the Warm Springs Ranch, Foot Site Dinosaur Quarry, Thermopolis Wyoming: Geological Society of America Natl. Mtg. (Denver) Abstracts w/prog. v. 54, no. 5,

<https://doi.org/10.1130/abs/2022AM-378046>

**CERTIFICATIONS**

Spring 2023 (expected) GIS Certification, University of WI – Whitewater

**RESEARCH METHODS & TECHNICAL SKILLS**

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* X-ray Fluorescence (PFRX) – Bruker, Tracer IV-SD
* X-ray Diffraction (XRD) – Rigaku MiniFlex
* Magnetic Susceptibility (MS)
* Gamma-ray Spectroscopy (GS)
* Loss on Ignition (LOI)
* Geographic Information Systems (ArcGIS)
* Transit / Total Station
* Jacob's Staff & Brunton
* Excel & PowerPoint
* PAST (paleontological statistics software)
* Adobe Illustrator
* SketchUp

**PALEONTOLOGICAL FIELD EXPERIENCE**

I have conducted field work and/or collected fossils in many different Paleozoic and Mesozoic aged formations including:

* Cambrian/Ordovician/Silurian rocks of WI & IA (many yrs.)
* Pocahontas Fm. (Carboniferous) of WV (2013)
* Sundance Fm. (Jurassic) of WY (2021, 2022)
* Morrison Fm. (Jurassic) of WY & UT (2018, 2021, 2022)
* Walnut Fm. (Cretaceous) of TX (2021)
* Mowry Fm. (Cretaceous) of UT (2018)
* Cloverly Fm. (Cretaceous) of WY (2021, 2022)
* Niobrara Fm. (Cretaceous) of KS (2010, 2011, 2013)
* Pierre Fm. (Cretaceous) of KS, MT, & WY (2010, 2011, 2013, 2015, 2021)
* Hell Creek Fm. (Cretaceous) of MT (2015)

**PROFESSIONAL SOCIETIES**

Geological Society of America (GSA)

Paleontological Society (PS)

**AWARDS AND HONORS**

Eagle Scout 2012

The highest rank in Scouting, only four percent of scouts obtain the rank of Eagle

Fischer Scholarship Fall 2021

In house scholarship through the Geography Geology and Environmental Science Dept. UW-Whitewater

Honor Student

2019 – Madison Area Technical College

2020, 2021, 2022 – University of WI-Whitewater

**LEADERSHIP EXPERIENCE**

During my time in Scouting, I have been/was the Senior Patrol Leader of my troop for two years, the President of my Venture Crew for four years, and an adult leader for two years. I helped to organize meeting plans, weekend, and two-week trips. As part of my Eagle Scout rank, I organized a service project where I directed volunteers in the creation of a new set of landscaping beds around my local church. I sourced materials from local businesses via donations, and from funds and materials donated by community members. I drafted plans and directed this project entirely on my own.

References available upon request