

**TEXAS STATE VITA****I. Academic/Professional Background**

## A. Name and Title

Name: Dr. Brandon G. Radoman-Shaw

Title: Asst Professor of Instruction

## B. Educational Background

| <i>Degree</i> | <i>Year</i> | <i>University</i>               | <i>Major</i>           | <i>Thesis/Dissertation</i> |
|---------------|-------------|---------------------------------|------------------------|----------------------------|
| PHD           | 2019        | Case Western Reserve University | Geological Sciences    |                            |
| BS            | 2012        | Trinity University              | Geosciences and French |                            |

**II. TEACHING**

## B. Courses Taught:

Texas State University:

GEOL 1410 - PHYSICAL GEOLOGY

GEOL 1420 - HISTORICAL GEOLOGY

GEOL 3410 - SEDIMENTATION AND STRATIGRAPHY

GEOL 3450 - EARTH MATERIALS

GEOL 4121 - DIRECTED STUDY

GEOL 4330B - PLANETARY GEOLOGY

GEOL 4330C - ECONOMIC GEOLOGY

Other:

## D. Courses Prepared and Curriculum Development:

GEOL 1410 Physical Geology, Curriculum Development: August 2021 - Present.

GEOL 1420 Historical Geology, Curriculum Development: August 2021 - Present.

GEOL 3450 Earth Materials, First Time Course Preparation: August 2024 - Present.

GEOL 3410 Sedimentation & Stratigraphy, First Time Course Preparation: January 2022  
- Present.

**III. SCHOLARLY/CREATIVE**

A. Works in Print (including works accepted, forthcoming, in press):

2. Articles:

b. Non-refereed Articles:

Radoman-Shaw, B. G. (2022). Experiments on the reactivity of basaltic minerals and glasses in Venus surface conditions using the Glenn Extreme Environment Rig. Published.

Radoman-Shaw, B. G. (2018). Oxidation behavior of stainless steels 304 and 316 under the Venus atmospheric surface conditions. Published.

Radoman-Shaw, B. G. (2017). Chemical and Microstructural changes in metallic and ceramic materials exposed to Venusian Surface Conditions. Published.

Radoman-Shaw, B. G. (2017). Thermodynamic Constraints on the Lower Atmosphere of Venus. Earth and Space Chemistry. Published.

Radoman-Shaw, B. G. (2016). Reaction of Basaltic Materials under high-fidelity Venus Surface Conditions using the Glenn Extreme Environment Rig: First Results. Published.

B. Works Not in Print:

5. Other Works not in Print:

c. Other Works Not in Print:

Posters:

Radoman-Shaw, B. G., Microscopy and Microanalysis Conference 23, "Microanalysis of Geologic Materials Exposed to Surface Conditions of the Planet Venus." (2017).

Radoman-Shaw, B. G., LPSC 45, "Large Metal Grains in Ordinary Chondrites." (2014).

C. Scholarly / Creative Grants and Contracts:

2. Submitted, but not Funded, External Grants and Contracts:

Krause, Samantha Marie (Principal), Wernette, Shelly Jean (Co-Principal), Radoman-Shaw, Brandon Gregory (Co-Principal), Kilby, James David (Co-Principal), Smith, Heather Lynn (Co-Principal). From Places to Peoples: A survey of geological materials and human-environment interaction on the Edwards Plateau that prioritizes student learning., National Science Foundation (EMBRACE-EAR growth), Federal, \$400,000.00. (Submitted: May 15, 2024). Grant.