

Education

- ◆ **MS, Geology and Geophysics, University of Wyoming, Summer 2013-2015 (Expected)**
- ◆ **BA, Northwestern University, 2006-2011**
 - ◆ Major: Earth and Planetary Sciences, concentration in geochemistry
 - ◆ Major: Biological Sciences, concentration in physiology
 - ◆ Departmental Honors, Major GPA 3.5, Overall GPA 3.3*

Research

- ◆ **MS Research, Advisor: John Kaszuba**

Study of water-rock-CO₂ geochemistry with focus on organic compounds and stable isotopes as a means of understanding organic transport and carbon dioxide reactivity in energy reservoir systems; analyzed existing carbon isotope data set from Piceance Basin, Colorado with the aim of exploring the utility of carbon isotopes as a process and monitoring tool for CO₂ subsurface injections
- ◆ **Undergraduate research, “Reconstructing pCO₂ values during the Paleocene-Eocene Thermal Maximum,” Advisor: Cesca McInerney**

Collected geologic samples during month-long field experience in Big Horn Basin, Wyoming; performed stable isotope analysis of samples and used the data set to develop a novel method for proxying CO₂ levels through geologic time as a means of assessing current climate sensitivity levels

Relevant Professional Experience

- ◆ **Research Technologist, Wiss, Janney, Elstner Associates, Inc., 2012-Present**

Preparation of core samples, thin sections, cut and ground materials for physical, chemical and microscopy analysis; quality control of large data sets for clients
- ◆ **Research Technologist, Earth/Planetary Sciences, Northwestern University, 2011-2013**

Maintained departmental collections and laboratory facilities; assured safety compliance with university laboratory research standards

Service and Leadership Experience

- ◆ **Student Teacher, Niles North High School, Skokie, IL 2010**

Instructed ~80 students using an independently created curricula for Biology and honors level Anatomy/Physiology
- ◆ **Student Leader, Project EXCITE, 2010 and 2011**

Led elementary students in a variety of geology-oriented lab exercises as part of a program intended to address the achievement gap associated with minority students in the local community

Grants and Presentations

- ◆ Undergraduate Research Grant, Northwestern University January 2011
- ◆ Presenter, Undergraduate Research Symposium, Northwestern University June 2011
“*Reconstructing pCO₂ values during the Paleocene-Eocene Thermal Maximum*”

Field Experience

- ◆ Big Horn Basin Wyoming 4 Weeks, July 2010
- ◆ Baraboo, Wisconsin 3 Days, October 2010
- ◆ Yucatan Peninsula, Mexico 10 Days, March 2011
- ◆ Boulder County, Colorado 7 Days, August 2011
- ◆ Yellowstone National Park/Grand Teton National Park 6 days, August 2013