Drew

Education & Coursework



Indiana University – Bloomington (May 2014)
Bachelor of Science (Geological Sciences)

- Basin Analysis & Hydrocarbons ***(G490)***
- Plate Tectonics ***(G454)***
- Applied Geophysics ***(G423)***
- Geochemistry ***(G406)***
- Advanced Igneous & Metamorphic Petrology ***(G418)***
- Economic Geology ***(G416)***
- Regional Geology Field Trip ***(G420)***
- Field Geology in the Rocky Mountains ***(G423)***
- Structural Geology ***(G323)***
- Petrology ***(G222)***
- Sedimentary & Stratigraphy ***(G334)***
- Mineralogy ***(G221)***
- Evolution of the Earth ***(G104)***

Geo-Field Experience

G429g Field Geology in the Rocky Mountains (Cardwell, MT)

- Eight week intensive course in Field Geology with an emphasis on Structural Geology
- Obtained a deep knowledge of the stratigraphic section
- Mapped simple structures on aerial photographs and topographic maps through independent reconnaissance mapping of a large area
- Trained in 3D Terrestrial Laser scanning (TLS) by UNAVCO for both in field use and data analysis in RiScan Pro Software

G423 Methods in Applied Geophysics (Bloomington, IN)

- Consists of four weekend field exercises to collect data using techniques in Surveying, GPS, Gravity, Passive Seismic Array, Ground Penetrating Radar, Electrical Resistivity, and Seismic Refraction
- Guided the class as a project leader for Surveying and GPS techniques through project planning, data collection and group data reduction
- Spent 3 days in the field installing passive seismic stations in Kentucky
- Produced a detailed interpretation of a final study area along the White River

G420 Regional Geology Field Trip (Bloomington, IN)

- Semester course on the orogenic events of the Appalachians with an emphasis on the geology of Pennsylvania, New York, Connecticut and Rhode Island, followed by a two week field trip
- Second semester course focused on the geology Maine

Technical Skills

Industry Software: Petra, NeuraLog, RiScan Pro, BasinMod 2012
Miscellaneous: MS Excel, MS Access, MS PowerPoint, Adobe (Illustrator, InDesign, & Dreamweaver), Python & HTML (Modest Experience), Web Design
Field Equipment: 3D Terrestrial Laser Scanner, Leica GPS, Surveying Equipment: (Stadia Rod, Hand Level, Level Transit, and Full transit), Gravimeter, Seismic line, Ground Penetrating Radar, Aerial Photographs, Topographic Maps, Microscope, Geological Compass

Geo-Research

Independent Research Project (Bloomington, IN) **August, 2013 - Present**

- Analyzing and interpreting thin sections and chemical compositions of Olduvai Gorge samples
- Prepared Samples in a shatter box
- Trained in basic wet chemistry for dissolving samples with acids
- Ran and reduced trace element data obtained from an ICP-MS instrument

Internship at the Indiana Geological Survey (Bloomington, IN) **March, 2013 - June, 2013**

- Worked with well data from the Illinois Basin with an emphasis on the New Albany Shale
- Performed quality analysis, and total organic carbon (TOC) calculations on data
- Worked with the following software daily: Petra, NeuraLog , Excel and Access

Student Research Assistant (Bloomington, IN) **August, 2012 - December, 2012**

Campus Club Involvement

Member of Society of Economic Geologists (SEG) **(January, 2013 - Present)**

- Was selected to attended the 125th annual GSA conference in Denver, CO

Member of Geology Club **(August, 2012 - Present)**

- Helped to raise money in the departmental fundraiser for field trips

Member of American Association of Petroleum Geologists (AAPG) **(August, 2012 - Present)**

Senior Member of Caving Club **(August, 2011 - Present)**

- Organize and guide groups through Southern Indiana caves
- Certified in cave rescue

Committee Member of Union Board Lectures **(August, 2010 - December, 2011)**

- Organized and planned lectures on campus

Governor of Wright Quadrangle **(August, 2010 - May, 2011)**

- Appointed by the members of Ferguson House to represent their rights in weekly student government meetings
- Led the vote at Wright Quadrangle to reduce campus transit stops which helped to decongest campus streets and lower emissions

Additional Work Experience

Indiana University Hourly Driver (Bloomington, IN) **June-August, 2013**

- Responsible for driving university vehicles during the eight week course, G429

Landscaper for ProCare Horticultural Services (Carmel, IN) **Summer of 2012**

- Responsible for operating company vehicles around the Indianapolis area to install, and maintain flower displays

Subway Sandwich Artist (Seattle, WA) **Summer of 2011**

- Prepared food to customer specifications, operated cash registers, maintained a clean work environ ment, and was responsible for stocking and preparing daily foods