

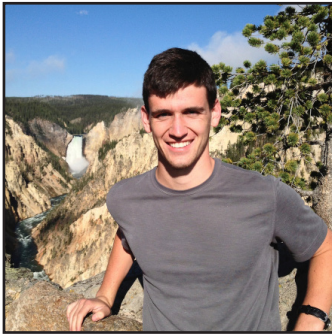
Andrew J. Redifer (Drew)

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Education & Coursework



Indiana University – Bloomington (May 2014)

Bachelor of Science (Geological Sciences)
Undergraduate GPA: 3.2/4.0
Geology Courses GPA: 3.5/4.0

- 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 attend 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 environment, and was responsible for stocking and preparing daily foods