

ASHLEY ALBERT

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A multidisciplinary geoscientist highly skilled in field, laboratory, and analytical methods seeking a challenging and stimulating job in the Pacific Northwest.

EDUCATION

Indiana University-Purdue University Indianapolis

Master of Science in Geology (Paleoclimatology)

Indianapolis, IN

2014 - 2016

University of Pittsburgh

Bachelor of Science in Environmental Geology, Cum Laude

Pittsburgh, PA

2010 - 2014

Clemson University Hydrogeology Field Camp

Clemson, SC

2014

RELEVANT COURSEWORK

- Soil Biogeochemistry; Geographical Information Systems (GIS) and Advanced GIS; Mineralogy; Groundwater and Hydrology; Isotope Geochemistry; Data Analysis; Paleoclimatology; Wetland Ecology; Geomorphology

RELATED EXPERIENCE

Graduate Researcher in Paleoclimatology/Geochemistry at Indiana University-Purdue University Indianapolis (IUPUI)

- Conducted and presented original thesis research on hydro climate change by reconstructing and modeling a 2,500-year United States Midwest precipitation/evaporation hydroclimate record
- Employed multitude of field, lab, and analytical techniques: lake coring, geochemical analyses, ArcGIS, Surfer13, MATLAB and STELLA Climate Modeling
- Represented School of Earth Sciences as ambassador for the Graduate and Professional Student Government (GPSG)

Undergraduate Researcher in Paleoclimatology/Geochemistry at University of Pittsburgh

- Independent undergraduate thesis project highlighting 3,000 years of lead (Pb) and trace metal pollution in the central Pyrenees Mountains from Greek and Roman metallurgic mining smelting techniques

Hydrogeology Field Camp, Clemson University

- Semester of comprehensive hydrologic projects with practical calculations and field reports
 - Spatial mapping and surveying: groundwater-surface water interaction, potentiometric groundwater mapping
 - Well installation, surface and borehole geophysics
 - Saturated zone tests: slug tests, pumping tests, water sampling and quality
 - Vadose zone and permeability tests: agricultural soil and moisture analysis

SKILLS

- Highly efficient and productive, ability to manage multiple assignments and tasks, set priorities and adapt to changing conditions and work under rigorous schedules and budgets demonstrated by finishing my masters thesis in under two years while working as a researcher and teaching assistant
- Experienced scientific writer and educator exhibited through writing scientific proposals, two scientific thesis and critique work on environmental geology course
- Effective presenter and communicator achieved through research presentations, work as the Earth Science council member to Graduate Student Government, teaching classes and helping with managerial lab responsibilities
- Excellent team building skills developed during thesis project, relying heavily on collaborating with the University of Minnesota Large Lake Resource Center, W. M. Keck Carbon Cycle Accelerator Mass Spectrometry Laboratory and IUPUI Geoarcheology department
- Critical thinker and problem solver that can use abstract sets of data to understand and solve evolutionary data with a high level of experience in analysis and research practices
- **Computer:** Proficient in many earth related and other computer and technical programs: STELLA: System modeling, Golden Software Surfer 12, SigmaPlot, ESRI ArcGIS 10.3, PAST: Statistical program, SedLog, Adobe Illustrator and Photoshop, Microsoft Office Suite. Experience with MATLAB

References available upon request