

JOSEPH MINERAL

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EDUCATION

The College of William and Mary, Williamsburg, VA

Bachelor of Science, May 2015

Major: Geology Major: Environmental Science & Policy

Geology GPA: 4.00 Environmental Policy GPA: 4.00 Overall GPA: 3.92

Relevant Coursework:

Core Geology: Surface Processes, The Sedimentary Record, Earth Structure and Dynamics

Specialized: Environmental Geology, Weather Climate and Change, Oceanography

Regional Field: San Salvador, Bahamas - Carbonate Geology and Biology

SKILLS

Software: Microsoft Excel, Access, PowerPoint, Publisher; ArcGIS; RiverTools; KaleidaGraph

Field: XRF Analyzer, Brunton Compass, ISCO Water Sampler, HOBO Rain Gauge

Certifications: First Aid, CPR, OSHA 40-hour HAZWOPER Training

RESEARCH EXPERIENCE

Geology Senior Thesis Project, "Atmospheric Deposition of Mercury and Lead Contamination to Soils Across an Elevation Gradient in Vermont, USA," February 2014-Present

- Research heavy metal content in mountainous soils for written thesis and final oral presentation.

Research and Teaching Assistant, Center for Geospatial Analysis

College of William and Mary, January 2013 – May 2014

- Conducted GIS-based spatial analysis of land use change in coastal Ecuador, its environmental consequences in aquatic ecosystems, and effects on estuarine communities.
- Co-authored paper on land use changes published in *Journal of Land Use Science*, March 2014.
- Developed fully-funded grant proposal and interfaced with contractors for solar energy project.
- Facilitated GIS learning experiences through student communication and technical troubleshooting.

Associate and Research Assistant, Global Environmental Governance Project

College of William and Mary, June 2012 – August 2013

- Managed a three-person team to compile and produce background documents that fostered productive and informative sessions at the United Nations-sponsored Global Environmental Governance Forum in Geneva, Switzerland.
- Orchestrated production of a documentary at the 25th UN Environment Programme Governing Council meeting in Nairobi, Kenya, liaising between high-level government and international organization officials and the film crew.
- Analyzed and conducted empirical research and interviews on US international environmental policy.

COLLEGIATE ACTIVITIES

Steering Committee Member, William and Mary Committee on Sustainability, August 2013 - Present

- Collaborate with faculty, staff, and students, to advance William and Mary's sustainability goals, such as improving energy efficiency.

Member, William and Mary EcoVillage Planning Team, September 2011 - Present

- Assist in planning of student residences that will use diverse sustainability practices and technologies.

HONORS AND AWARDS

Stofan Scholar - Awarded \$1,000 for geology senior research project. One of three senior geology majors to receive award in 2014.

James Monroe Scholar, Sharpe Community Scholar