

Elaine D. Flynn

Washington University, 1 Brookings Drive, Campus Box 1169, Saint Louis, MO 63130
(859) 620-2062 elaine.flynn@wustl.edu

EDUCATION:

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| Doctoral Candidate in Earth and Planetary Sciences Washington University in St. Louis | 2013-Present |
| Bachelor of Science in Geology and Chemistry, Minor in Mathematics Western Kentucky University-Honors College, Summa cum Laude, GPA: 3.98 | 2010-2013 |
| Semester at Sea Short Term Voyage Carol Martin Gatton Academy of Mathematics and Science in Kentucky | Summer 2011 2008-2010 |

PUBLICATIONS:

Flynn, Elaine D. (2013). Carbon and oxygen isotope study of carbonates from Watling's Blue Hole and Blue Hole Five, San Salvador, Bahamas. *Honors College Capstone Experience/Thesis Projects*. Paper 427.
http://digitalcommons.wku.edu/stu_hon_theses/427

PRESENTATIONS:

Flynn, E.D., Webb, C., Park Boush, L.E., Myrbo, A., Brady, K., Michelson, A., Berman, M.J., Gnivecki, P. (2013). *Carbon and oxygen isotope study of carbonates from Watling's Blue Hole and Blue Hole Five, San Salvador, Bahamas*. Poster session presented at GSA Annual Meeting, Denver, CO.

Flynn, E.D., Loeffler, S., Marcus, T., Nester, J., Osborne, T., Spano, N., Quillen, P., Brady, K., Myrbo, A., Park, L.E. (2012). *Geochemical and physical comparison of Watling's Blue Hole and Blue Hole Five, San Salvador, Bahamas*. Poster session presented at GSA Annual Meeting, Charlotte, NC.

Flynn, E.D., Wulff, A.H., Celestian, A.J., Rucks, M.J. (2012). *Identifying types of zoning in minerals using raman microscopy*. Poster session presented at GSA Southeastern Section Meeting, Asheville, NC.

Flynn, E.D., Wulff, A.H. (2011). *Use of zoned minerals to determine petrogenetic processes*. Paper session at Western Kentucky University-Undergraduate Research Conference, Bowling Green, KY.

Flynn, E.D., Wulff, A.H. (2010). *Geochemical and petrographic analysis of CDCS lava flows from the Casitas Shield, Chilean Andes*. Paper session presented at Western Kentucky University-Undergraduate Research Conference, Bowling Green, KY.

RESEARCH EXPERIENCE FOR UNDERGRADUATES:

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| National Science Foundation Research Experience for Undergraduates Field Research on Bahamian Lakes--Exploring Records of Anthropogenic and Climate Change | Summer 2012 |
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FIELD EXPERIENCE:

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| The \$100 Solution™ Service-Learning Water Assessment Feasibility Study--La Mision, Mexico Served as a consultant to Pro Esteros (NGO) on potential water contaminants in a local wetlands | January 2014 |
| Environmental Field Camp--South Dakota School of Mines Geologic Mapping, Slope Stability, Groundwater Contamination, Flood Hazards, etc. | Summer 2013 |
| Introduction to Field Techniques trips--Various locations, Kentucky Observed and Analyzed geological features in South Central Kentucky | Fall 2011 |
| Petrology and Structural Geology Field Trip--Various locations in Tennessee and North Carolina Described and named various metamorphic rocks, determined structural geology features | Spring 2011 |

TEACHING AND OUTREACH EXPERIENCE:

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| Teaching Assistant, Washington University EPSc 201: Earth and Environment Laboratory | 2013 |
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GRANTS AWARDED:

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| Washington University Department of Earth and Planetary Sciences Graduate Fellowship | 2013 |
| Faculty-Undergraduate Student Experience (FUSE) Grant | 2013 |
| Geological Society of America Annual Meeting Student Travel Grant | 2012, 2013 |
| Geological Society of America Southeastern Section Student Travel Grant | 2012 |
| Western Kentucky University Department of Geography and Geology Student Funding | 2012 |
| Geological Society of America Southeastern Section Undergraduate Research Grant | 2011 |
| Western Kentucky University Honors College Development Grant | 2010, 2012 |

ANALYTICAL INSTRUMENTS AND SOFTWARE EXPERIENCE:

XRF, XRD, Electron Microprobe, SEM-EDS, Raman Microscope, GC, IR, NMR, LOI, ICP-MS, Mathematica, ArcGIS

LEADERSHIP EXPERIENCE:

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| The \$100 Solution™ Board of Directors | |
| Associate Board Member, Academic Development Department | 2013-Present |
| Golden Key International Honor Society--Western Kentucky University Chapter | |
| Region 4 Student Leader of the Year Award | 2013 |
| Vice-President | 2012 |
| Recording Secretary | 2011 |

ADDITIONAL EXPERIENCE:

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| Carol Martin Gatton Academy--Bowling Green, Kentucky | |
| Front Desk Clerk | 2011-2013 |
| Chemistry Tutor -- Provided assistance with College Chemistry I and II | 2010- 2011 |
| Thomas More College Biology Field Station--California, Kentucky | |
| Independent Study: Physiochemical Assessment of the Ohio River | Summer 2009 |

SELECTED VOLUNTEER WORK:

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| Central Christian Church Children's Ministry Assistant | 2013-2014 |
| Serve St. Louis | October 2013 |
| Bryant Way Tutoring (Bowling Green, KY Housing Authority) | 2012-2013 |
| Forest Park Baptist Church Youth Programs Leader | 2011-2013 |
| The \$100 Solution™ and Semester at Sea Reunion Voyage Service-Learning Project | 2012, 2013 |
| The \$100 Solution™ Project at Bowling Green High School | Spring 2012 |
| Semester at Sea Short Term Voyage Service Projects in several countries | Summer 2011 |

PROFESSIONAL MEMBERSHIPS:

Golden Key International Honor Society
Geological Society of America
Mineralogy Society of America
Geochemical Society
National Groundwater Association