

LAUREN OLDHAM

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PROFESSIONAL EXPERIENCE

GIS DEVELOPER

April 2017 to present

Global Parametrics | Lexington, KY

- Create, edit, manipulate, and analyze geographic data (raster and vector) to give spatial and temporal views of underlying risk by geography.
- Write R scripts, functions, and build QGIS models to automate repetitive GIS tasks.
- Develop, test, debug, and maintain custom web-based applications for clients to explore climate and seismic data for custom geographies.
- Work with clients, users, and decision-makers to help them understand how GIS can be used strategically for their needs.

GIS SPECIALIST

June 2015 to April 2017

GlobalAgRisk, Inc. | Lexington, KY

- Created thematic maps to help assist in assessing financial disaster risk management solutions for low and middle-income countries.
- Managed, manipulated, and created GIS data to make it suitable for mapping in various mapping environments (RStudio, QGIS, Leaflet).
- Wrote R scripts to automate mapping processes and pre-processing, including file type conversions, geoprocessing, and attribute editing.

GEOGRAPHIC INFORMATION SYSTEMS INTERN

May 2013 to August 2013

Sandia National Laboratories | Albuquerque, NM

- Performed primary mapping functions as the first steps in larger map projects for the National Infrastructure Simulation and Analysis Center (NISAC) utilizing ArcMap 10.1 and GoogleEarth softwares.
- Geocoded and verified chemical plant locations in Alabama to update database software.
- Created earthquake and wildfire natural disaster preparedness maps utilizing in-house FASTMap software.

EDUCATION

GRADUATE CERTIFICATE IN DIGITAL MAPPING from the University of Kentucky, Lexington, KY (2015-2016). Summa cum laude.

BACHELOR OF ARTS IN GEOGRAPHY (B.A.) from the University of Kentucky, Lexington, KY (2010-2014). Summa cum laude.

KEY COMPETENCE

Geographic Information Systems – Web Mapping Applications – Natural Disaster Risk Management
QGIS – Model Builder – R Programming – Shiny – Leaflet – PostGIS/PostgreSQL

AWARDS AND VOLUNTEER EXPERIENCE

Ellen Churchill Semple Award (May 2014)

Joseph R. Schwendeman, Sr. Outstanding Student Award (May 2014)

UKY Women in Engineering Summer Workshop Series volunteer presenter and panelist (June 2017)