

## GIS COORDINATOR

### Summary

Diligent hands-on leader, excellent at working with tight deadlines in pressurized work environments. Broad experience in government agencies domestically and abroad while drawing on concurring academia and research roles.

### Accomplishments

#### Project Cooperation

- Worked directly with USAid, and two universities to fulfill individual Master's degree requirements as well as much larger scope project objectives.

### Communication

- Modified technical agricultural data from field, to the the scientific community in the form of published papers, illustrated for seminars given to the public, before lastly translated into Swahili for local farmers.

### Experience

Company Name City , State GIS Coordinator 07/2015 to Current

- Used company public utility status to install small cell antennas for telecommunication carriers into the public right-of-way as new poles or attachments to existing light poles.
- Tested spatial data for quality and created reports on those audits after Importing, integrating, updating and validating data from multiple sources.
- Developed system documentation and user manuals on GIS best practices and functionality for a new employee onboarding packages.
- Independently completed ad hoc requests including map generation, spatial analysis, and web publishing of map applications.

Company Name City , State Research Associate 06/2012 to 08/2013

- Coordinated with professors and staff at Sokoine University of Agriculture in Morogoro, Tanzania during summer session.
- Conducted soil science laboratory analysis of soil alongside Tanzanian technicians and students for the growing seasons..

Company Name City , State Graduate Teaching Assistant 08/2012 to 05/2013

- Taught lectures and weekly laboratory exercises to seventy-five undergraduate students.
- Assisted generation of lecture notes and laboratory tutorial materials using ArcGIS and QGIS.
- Coordinated and supervised three graduate teaching assistants.

Company Name City , State Biology Intern 03/2013 to 05/2013

- Cleared ten acres of invasive plant species using manual removal with herbicide.
- Maintained trails at four locations in southern Ohio and monitored water quality in streams, vernal pools, and river systems.
- Completed frog and bird surveys to monitor wildlife populations.
- Injected ash trees located within the park, tagged and recorded all injected trees using ArcGIS.

#### Company Name City , State Seasonal Forestry Worker 04/2012 to 08/2012

- Reduced threat or damage from Emerald Ash Borer through preventative injections using Arborjet treatments and applied growth inhibitor to trees under utility lines.
- Planted 380 container trees and monitored growth and health.
- Pruned 4,000 large trees using pole saws, power pole saws, shears and hand saws.
- Removed 400 trees and ground 800 stumps using heavy machinery.

#### Company Name City , State Research Assistant 01/2011 to 12/2012

- Collected soil samples in no-till, conservation till, and conventional till plots.
- Evaluated carbon and nitrogen levels in diluted runoff samples.
- Determined soil quality, plant available water, and bulk density of cores.

#### Company Name City , State Trail Logistics Intern 06/2011 to 08/2011

- Reported backcountry trail hours worked and miles accomplished.
- Collaborated with California Conservation Corps participants and management to achieve mission objectives including: trail clearing, safety demonstrations, social skills training, public affairs, and logistical support.
- Aided the backcountry packer with long-distance supply organization travelling over 400 miles on horseback and a string of four mules.
- Checked fire and camping permits of hikers met on trail.

#### Company Name City , State Secretary 06/2010 to 09/2010

- Coordinated and communicated with Sandusky County court system and judges to schedule all court dates and client meetings.
- Answered incoming calls, responded to emails, created client MS Excel spreadsheets.
- Kept records of court decisions and payments dating back 5 years.
- Drafted legal documents and organized client interviews.

#### Education

Masters of Science : Environmental Science 2015 The Ohio State University , City , State

*Impact of Management on Soil Fertility and Rice Yields in Smallholder Farms in Tanzania*

Bachelor of Science : Environmental Policy and Management 2012 The Ohio State University ,  
City , State  
Languages

- Semi-fluent Spanish
- Conversational Swahili

#### Additional Information

Honors and Awards: National Championship Titles Equestrian Team, 2011, 2012, Dean's list, AmeriCorps Scholar 4-H Spirit of Leadership, 2009 4-H Ten Year Member Award, 2013 recipient of \$11,000 Coca-Cola Sustainability Grant

#### Skills

analytical skills, quality control, research, safety, statistics, surveys, teaching, water quality, soil fertility