

Stephen G. Ross

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Summary

GIS Analyst with a concentration on development and database management, as well as, data processing and analysis. Available for full time work on meaningful projects, especially those that provide opportunities to learn new technologies.

Technical Proficiencies

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| Languages: | Python, SQL, JavaScript, HTML, and CSS |
| Software: | ArcGIS, QGIS, Adobe Illustrator, MS Office, ERDAS |
| Database Management: | SQLite, PostgreSQL, Microsoft SQL Server |
| Version Control: | Git/ Github |
| Operating Systems: | Linux, Windows |

Education

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| Master of Arts in Geography & Graduate GIS Certificate | <i>August 2014- May 2016</i> |
| • The George Washington University, GPA: 3.8 | |
| Bachelor of Arts in Geography & Environmental Studies | <i>August 2010- May 2014</i> |
| • The George Washington University, GPA: 3.3 | |
| • Minors: Geographic Information Systems and Biology | |

Relevant Experience

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| Jr. GIS Analyst | <i>June 2015-Present</i> |
| Casey Trees, Washington, DC | |
| • Prepare custom web applications utilizing JavaScript-based APIs, HTML, and CSS | |
| • Utilize data management, processing and analysis skills using ArcGIS, and Python | |
| • Create high quality cartographic products with Adobe Illustrator and ArcGIS | |
| • Manage summer research project (hiring, training, logistics, and quality control) | |
| • Engage in community outreach by training groups of volunteers in advanced technical field methods to collect geographic information | |
| • Continually learning new development and software skills efficiently on the job | |
| GIS/Economic Data Consultant | <i>July 2015 - Present</i> |
| National Trust for Historic Preservation, Washington, DC | |
| • Work with a small team to create 200+ explanatory maps with corresponding economic data for state, congressional district, and city locations. | |
| • Develop SQL queries to export complex data requests from ArcGIS | |
| • Create custom model builder tools to automate clustering symbology at varying distances | |
| • Utilize Arcpy to automate basic functions in ArcGIS | |
| • Apply advanced experience in Excel to provide clean data sheets for processing | |
| Graduate Teaching Assistant | <i>August 2014- May 2016</i> |
| Department of Geography, The George Washington University, Washington, DC | |
| • Instructed two undergraduate Introduction to Physical Geography lab sections | |
| • Designed lectures, demonstrated procedures, and provided one-on-one assistance | |
| GIS and Data Management Volunteer | <i>May 2015- January 2016</i> |
| National Park Service Capital Region Exotic Plant Management Team, Washington, DC | |
| • Managed a regional GIS database and processed invasive species data from ArcCollector | |
| • Aided in developing efficient data collection methodology across ArcPortal and ArcCollector Platforms | |