

Jessica Garrett

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Education	<p>University of Colorado Denver</p> <ul style="list-style-type: none">• Pursuing Masters of Engineering in GIS• Graduate GIS and Geomatics Certificate <p>University of Colorado</p> <ul style="list-style-type: none">• Bachelors of Science in Applied Mathematics with a minor in Environmental Sciences• Honors research project studying convergence rates of nine unique Monte Carlo simulations in context of multi-dimensional numerical integration.• 3.7 GPA
Skills	<ul style="list-style-type: none">• ArcGIS (10.x), QGIS, GDAL, AutoCAD Civil 3D, ERDAS Imagine and Cyclone• Web development applications and languages including HTML, JavaScript, CSS, GitHub and Jekyll• Proficient in Matlab, R, C++, AMPL and LaTeX (mark-up)• Exposure to Python and PostgreSQL• Hydraulic and hydrologic data modeling software SWMM and Flo2D• GPS/GNSS, LiDAR/HDS and Remote Sensing concepts and analysis tools
Work Experience	<p>ICON Engineering, Centennial, CO Nov '17 – present</p> <p>GIS Engineer/Coordinator</p> <ul style="list-style-type: none">• Oversee development, implementation and cross-platform interoperability of all geospatial data including topographic and aerial imagery, FEMA flood mapping productions and various technical troubleshooting• Hydraulic and hydrologic modeling with SWMM and Flo2D to promote effective floodplain management for Colorado municipalities• Design custom user-interactive web-based mapping interfaces utilizing geo-processing tools to support modern GIS mediums <p>University of Colorado Denver IT Services, Denver, CO Feb '14 – Nov '17</p> <p>OIT Computing Lab Lead</p> <ul style="list-style-type: none">• Monitor three Citrix-based thin client computing labs• Administer OIT website design and editing• Facilitate staff meetings aimed toward team-building and motivational exercises <p>Colorado National Bank, Denver, CO July '15 – Jan '16</p> <p>Lead Compliance Analyst</p> <ul style="list-style-type: none">• Developed and managed onboarding procedures to ensure total internal and Federal compliance for high risk, cash-intensive businesses• Guided business development by providing original geospatial analysis and mapping of various Colorado industries• Directed company-wide data migration <p>CenturyLink, Denver, CO Jan '15 – July '15</p> <p>Forecast Analyst</p> <ul style="list-style-type: none">• Managed clock streams for various telecommunication classes to confirm install and repair intervals for Pacific Northwest• Optimized technician assignment given geographical and workforce constraints• Built master Excel templates for AOM distribution <p>Global Technology Resources, Inc. (GTRI), Denver, CO May '13 – Feb '14</p> <p>Federal Inside Sales Engineer Intern</p> <ul style="list-style-type: none">• Sourced IT products and services for NASA's multi-billion dollar SEWP V contract while maintaining technical compliance and price competitiveness• Spearheaded pricing solutions for the Army's ITES-3H contract• Assisted in technical writing and editing for various government RFP projects
Activities & Hobbies	<p>Colorado Mycology Society</p> <p>GIS in the Rockies</p>