

## Jessica Garrett

855 West Oxford Ave. Englewood, CO 80110 | (859)229-3357 | Jlgred88@gmail.com

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