

Jessica Garrett

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| Education | University of Colorado Denver <ul style="list-style-type: none">• Pursuing Master of Engineering in GIS and Geomatics; expected graduation December 2017• Graduate GIS and Geomatics Certificate |
| | University of Colorado <ul style="list-style-type: none">• Bachelor of Science in Applied Mathematics with a minor in Environmental Sciences• Honors research project studying convergence rates of nine unique Monte Carlo algorithms relevant to multidimensional numerical integration• 3.7 GPA |
| Skills | <ul style="list-style-type: none">• Web development languages including HTML, JavaScript (Mapbox GL JS) and CSS• GitHub, Jekyll and Gulp.js for version control and web hosting• ArcGIS (10.x), QGIS, GDAL, AutoCAD Civil 3D, ERDAS Imagine and Cyclone• Proficient in MATLAB, R, C++, AMPL and LaTeX (mark-up)• Strong working knowledge of Python and PostgreSQL• GPS/GNSS, LiDAR and Remote Sensing concepts and analysis tools |
| Work Experience | ICON Engineering, Centennial, CO GIS Engineer/Coordinator <div>Nov '16 – present</div> <ul style="list-style-type: none">• Oversee development and implementation of cross-platform interoperability of all geospatial data including topographic and aerial imagery, FEMA flood databases and mapping• Design custom user-interactive mapping applications utilizing web development frameworks to support modern GIS mediums• Hydraulic and hydrologic modeling with SWMM and Flo2D promoting effective floodplain management for Colorado municipalities |
| | University of Colorado Denver OIT Services, Denver, CO OIT Computing Lab Lead <div>Feb '14 – Nov '16</div> <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 |
| | Colorado National Bank, Denver, CO Lead Compliance Analyst <div>July '15 – Jan '16</div> <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 |
| | CenturyLink, Denver, CO Forecast Analyst <div>Jan '15 – July '15</div> <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 |
| | Global Technology Resources, Inc. (GTRI), Denver, CO Federal Inside Sales Engineer Intern <div>May '13 – Feb '14</div> <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 |
| | Colorado Mycology Society Denver Geospatial Amateurs Meetups |
| Activities & Hobbies | |