

Jessica Garrett

<https://madmatchstick.github.io/portfolio/> | jlgreg88@gmail.com | (859) 229-3357

Skills

- Web development languages HTML5, 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**

Nov '16 – present

- 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**

Feb '14 – Nov '16

- Monitored three Citrix-based thin client computing labs
- Administered OIT website design and editing
- Facilitated staff meetings aimed toward team-building and motivational exercises

Colorado National Bank, Denver, CO **Lead Compliance Analyst**

July '15 – Jan '16

- 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**

Jan '15 – July '15

- 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**

May '13 – Feb '14

- 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

Education

University of Colorado Denver

- Pursuing Master of Engineering in GIS and Geomatics; expected graduation December 2017
- Graduate GIS and Geomatics Certificate

University of Colorado

- Bachelor of Science in Applied Mathematics with a minor in Environmental Sciences; 3.7 GPA
- Honors research project studying convergence rates of nine unique Monte Carlo algorithms relevant to multidimensional numerical integration

Interests & Pursuits

Colorado Mycology Society
Denver Geospatial Amateurs Meetups