

# John Dietrich

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## Experience

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2020 - present

### **Research Technician- USDA Agricultural Research Service (Fort Collins, CO)**

I implement a multi-year research project assessing the effects of drought and grazing on rangelands. Major tasks include:

- Leading field work installing/removing infrastructure collecting samples and observational data.
- Data management and quality control.
- Exploratory data analysis, making plots and running statistical tests using R or Python.
- Performing laboratory analysis of plant/soil samples
- Maintaining/updating protocols for all field and lab tasks.

2019 summer

### **Botanist- Colorado Natural Heritage Program (Throughout Colorado)**

I worked on vegetation surveys in wetland sites at a variety of locations across the Rocky Mountains of Colorado collecting data using tablets in the field and navigating to remote sites with GPS and electronic maps.

2016-2017

### **Research Associate CSU Biology (Fort Collins, CO)**

Lead teams collecting field data for grassland research in CO, KS and WY. Managed project data including data entry, cleaning, and preliminary analysis.

2010 - 2012

### **GIS Intern- USGS (Lakewood, CO)**

I gathered and prepared historical data for coal and oil shale resource assessments and created publication figures including maps and well logs using adobe illustrator.

2006 - 2007

### **Drilling Coordinator PSI (New Orleans, LA)**

I planned and scheduled soil sampling work for building design projects, clearing utilities and coordinating with property owners, partners, and field personnel.

## Master's Thesis

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Dietrich, J.D., Smith, M.D. The Effect of timing of growing season drought on the flowering of a dominant C<sub>4</sub> grass *Oecologia* **181**, 391-399 (2016). <https://doi.org/10.1007/s00442-016-3579-4>

## Education

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### **BS Biology**

#### **+GIS certificate**

Metropolitan State University  
Denver, Colorado

### **MS Ecology**

Colorado State University  
Fort Collins, Colorado

## Skills

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- MS Office
- ArcGIS Pro
- Python/Pandas
- R
- Plant Identification

## Contact

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[Portfolio](#)