

# JUSTIN CULMAN

## GIS ANALYST

### CONTACT



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### EDUCATION

MA Applied Geography and  
Geospatial Sciences  
University of Colorado Denver  
Graduate GIS Certificate  
TA for Cartography and Computer  
Mapping for two semesters  
August 2018 – May 2020

BS Environmental Science and  
Geography Double Major  
University of Oregon  
September 2013 – June 2017

### SKILLS

- ESRI Suite (5 years)
- ArcGIS Online (3 years)
- Python (1 year)
- Adobe Illustrator and InDesign (2.5 years)
- Adobe Photoshop (1 year)
- Field Data Collection (2 years)
- AutoCAD Civil 3D (1.5 years)
- Ecological Field Research (1.5 years)
- Data Management (3 years)
- Model Builder (1.5 years)
- QGIS (1 year)
- PADI Divemaster

### PROFILE

My passions educationally and professionally lie within computer mapping, web cartography, marine ecology, and terrestrial ecology, particularly with field research and mobile data collection. My professional objective is to collaborate these interdisciplinary interests into a career path that allows me to be in the field and complete compelling GIS deliverables in print and web-based platforms.

### PROFESSIONAL EXPERIENCE

#### GIS Analyst

National Park Service Capitol Reef NP | Torrey, UT | September 28th, 2020 – Present

- Provide data management of all cultural resources GIS data, updating to federal cultural resource standards, and implement new folder structure with proper documentation for future GIS data management.
- Develop Survey123 applications for capturing graffiti offenses and removal information as well as an application of r monitoring rare cactus species health pre and post cattle grazing.

#### GIS Analyst

National Park Service | Lakewood, CO | April 1, 2019 – June 13, 2020

- Provide geospatial support to 85 national parks within seven states with ArcGIS Online web maps, data collection, data management, ESRI StoryMaps, and park specific project assignments
- Develop and implement three-day training on GIS data management, mobile field data collection with ArcGIS Collector and Survey123, and project workflows with ArcGIS Pro and ArcGIS Online/Portal
- Completed 6 month project from start to finish for digitizing 240+ climbing routes on Devil's Tower National Monument in 3D Scene.

#### GIS Field Technician

Encompass Energy Services, LLC | Broomfield, CO | March 25, 2018 – March 23, 2019

- Work with Enterprise Products client to map out structures within a 500' buffer of pipeline network in the field throughout Louisiana to assess high consequence areas utilizing ArcGIS Collector, GNSS high accuracy receiver, and ArcGIS Online.
- Create data driven pages and alignment sheets with Lightning plug-in to show pipeline installation or existing pipeline networks including parcel ownerships, permanent easements, workspaces, and bore locations.
- Work with civil engineers to take data created in AutoCAD and convert to usable feature classes in ArcGIS Pro for a variety of clientele deliverables.
- Created a python script to automate data management of weekly updates from Conoco to update attribute information and transform data into a single geodatabase deliverable.

#### Cartographic Researcher

U of Oregon Infographics Lab | Eugene, OR | Sept. 15, 2016 – Sept. 20, 2017

- Assisted in constructing *Wild Migrations: Atlas of Wyoming's Ungulates* published in 2018 by analyzing GPS collar data and implement cartographic principles to create maps, graphics, and tables within page spreads.
- Utilize ESRI Arcmap, Adobe Illustrator, InDesign, and Photoshop to edit designs on over 50 pages.