**Dan Carver**

**Education**

B.S., Geology, B.A., Geography, Adams State University, 2012

M.A., Applied Geography and Geospatial Science, University of Colorado Denver, 2017

**Professional Experience**

Technical Manager, Geospatial Centroid, 2020-Present

Spatial Scientist, U.S. Department of Agriculture, 2018-Present

GIS Specialist, Natural Resource Ecology Laboratory, 2019-2020

Geoinformatics Fellow, NASA DEVELOP, 2017-2018

GIS Technical Support, U.S. Geological Survey, 2016-2017

**Work Demonstrations**

<https://github.com/dcarver1>

**Select Papers & Publications**

(2021) GapAnalysis: an R package to calculate conservation indicators using spatial information. Ecogeography 44 (7), 1000-1009

(2020) Crop wild relatives of the United States require urgent conservation action. PNAS 117(52) 33351-33357

(2020) Assessment of the classification accuracy of the Globeland30 Forest class for the temperate and tropical forest of Mexico. Applied Geomatics, 1-17

(2018) CO-RIP: A riparian vegetation and corridor extent dataset for Colorado river basin streams and rivers. ISPRS International Journal of Geo-Information. 7(10)

**Research**

* Colorado Department of Public Health and Environment
  + Creating the Colorado [EnviroScreen](https://cdphe.colorado.gov/enviroscreen) environmental justice mapping tool.
* USDA Agricultural Research Service
  + Crop Wild Relative conservation in the [United State](https://dcarver1.github.io/cwrUSA_maps/)s, Tunisia, and world-wide
* Cooperative Institute for Research in the Atmosphere
  + Interpretation of Nighttime Light Changes During the COVID-19 Pandemic
* Washington State University
  + Development of Seed Zone Map for *Eriogonum umbellatum*
* NASA DEVELOP
  + Remote Sensing Methods to Detect Wild Rice (*Zizania palustris L.*)