

Taylor Kravits

Utilizing Python to automate data extraction, cleanup, analysis, and visualization

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EXPERIENCE

Data Analyst **Boulder County Assessor's Office**

March 2020 - Present

- Discovers, extracts, and analyzes property data to assist with decision making in the Assessor's Office
- Creates programs using Python to reduce staff workload by automating data extraction, cleaning, and analysis
- Utilizes SQL to perform QA/QC on our datasets and databases
- Employs version control for projects using Github
- Guides seasonal staff on Python basics and project scope
- Provides technical assistance for office staff

GIS Technician **Boulder County Assessor's Office**

November 2018 - March 2020

- Managed geospatial property data within Boulder city limits
- Coded in Python to automate data extraction, map creation, and analysis
- Implemented new technologies (Pandas, ArcGIS Online, ArcPy) to increase efficiency and streamline workflow
- Assisted members of the public with questions regarding property data
- Produced presentation quality reports and maps for appraisers to use in a courtroom settings

Technician II **Boulder County Parks and Open Space**

January 2017 - November 2018

- Performed QA/QC on Tree Inventory data to maintain consistency
- Created maps for private contractors and staff
- Updated and altered table forms for changing protocols for tree care

EDUCATION

B.S. in Environmental Science **University of Vermont** Burlington, VT

May 2012

References available upon request

PROJECTS

Automated an Excel spreadsheet cleanup process to use in property data analysis

Developing technical analysis for predicting stock market pricing and trends

Created an API to create a map of personal GPS routes via Strava

SKILLS

Experience coding in Python, ArcPy, and SQL

Experience utilizing Pandas, Geopandas, Matplotlib, ArcGIS API for Python, and other open source data analysis/visualization libraries

Experience with relational databases

Knowledge in Machine Learning and AWS

Trained in Microsoft products such as Excel, Access, and other Office Suite products

Trained in GIS products such as QGIS, ArcGIS Pro, and other ESRI products

Avid backcountry skier, trail runner, mountain biker, fly fisherman, backpacker, and snowboarder