

+ summary

I am a seasoned professional who thrives in challenging roles where I can creatively build narratives from data to form empathetic solutions. My social sciences background coupled with my passion for discovering what makes us human makes me a strong candidate for data science analysis.

My long history in databases has undoubtedly driven me to the field of data science. As a Data Science fellow, I have applied the latest data science and data analyst methods. From engineering predictive analytics, NLP, visualizations and machine learning algorithms to real-life complex problems.

+ employment

Cinefuse Denver, CO.
Data Scientist Sept. 2020 to Current
Part-time Data Scientist / Analytics Consulting at an online movie community website to increase users and user interaction.

General Assembly Denver, CO.
Data Science Fellow June 2020 to Sept. 2020
Full-time, 580+ hours, total immersive Data Science program covering topics such as Predictive Analytics, Advanced Statistical Methods, Data Visualizations and Machine Learning with a heavy focus on programming in Python and SQL.

GeoMega Boulder, CO.
GIS Specialist Mar. 2020 to Mar. 2020
GIS contract specialist (through Scion Staffing) providing deliverables as well as Python/SQL scripts support to scientists in commercial and litigation mining solutions.

Intermountain REA Sedalia, CO.
GIS Supervisor Feb. 2007 to July 2018
Supervisor reporting on metrics to executives, maintaining and updating relational databases, training staff, and creating technical documents.

SWCA Broomfield, CO.
Archaeologist May 2006 to Aug. 2006
Project archaeologist to survey and record pipelines in Colorado and Wyoming

Centennial Archaeologist Fort Collins, CO.
Centennial Archaeology May 2004 to Aug. 2005
Multiple project archaeologist to excavate and survey prehistoric finds throughout Colorado.

+ projects

Help in a SNAP! 2020
Random Forest/Gradient Boost in Vote ensemble; analyzed 400k SNAP records with 800 features, reduced to 31 columns with 95% accuracy of predicting who will be on SNAP per state to detect risk assessment during COVID.

Behind the Mask 2020
Neural Network: Built an image classifier to detect people wearing masks or not compared to a twitter scrape of images plotted on a map for prediction of where Coronavirus is spreading.

Oh the Horror! 2020
Natural Language Processing : Used NLP to train a classifier to automatically classify Reddit posts, Scraped social redds for sentiment analysis to recommend a news site to friends like horror movies.

Ames Housing 2020
Regression and other data analyst techniques: Designed a predictive model leveraging regression techniques to predict house prices.

Relational Database Management 2007 to 2018

- Data Management and ETL analytics for GIS datasets into several systems including data sources from CIS, Engineering, SCADA Operations, AutoCAD, cloud data, API, and mobile applications. Including work with vendors.
- Collaborative: Innovation and engagement in QC/technical troubleshooting of the database including data sets like taxable districts over 300 realtime versions in using database technologies like Oracle, SQL Server, and information security such as granting security access to users.
- Trustworthy: created system-wide models for updates and database design using sensitive information like consumer's financial information while providing customer service for clients.

+ education

General Assembly
Professional Certificate Data Science 2020

University of Denver
Master's Certificate GIS 2008

University of Colorado at Colorado Springs
Bachelor of Arts Anthropology/Geography 2004

+ activities

Leadership Courses through Mountain States Employers Council (MSEC)

- Interpersonal Mastery
- Leading Teams
- Project Management I & II

Area Groups

- Great Data Minds
- Denver SQL Server User Group
- Front Range Pythoners
- Boulder Women in Machine Learning & Data Science

Conferences

- ESRI International User Conferences
- Women Leaders in Energy
- GIS in the Rockies
- Link – a user's group for a suite of tools for utilities called ArcFM
- GeoConX – ESRI's utility user group conference

+ skills

SOFTWARE	PROGRAMMING	OTHER
ESRI	Python	Product Integration
ML	SQL	Project Management
NLP	Relational Databases	Asset Management
Pipelines	Spark/Scala	Management Experience
Databricks	HTML	Training
Mobile	Java	Non-profit
API		Analytical
SCADA		Data Processing
Oracle		Data Management
Tableau		Data-Driven
Visual Studio		Big Data
Jupyter		Data Sources
AWS		Data collection
Google Cloud		Complex Projects
Git		Business Analytics
Multiple hardware		Operations
Classification Models		Statistics
Regression Models		Strategy
Supervised Models		Modeling
Unsupervised Models		Marketing
		Mathematics
		Ability to Multi-Task
		Data Warehousing
		Verbal Communication
		Communication Skills
		Utilities
		Enterprise systems