

Contact

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www.linkedin.com/in/samantha-spivey (LinkedIn)

github.com/SamanthaDSpivey (Personal)

Samantha.Spivey.io (Portfolio)

Top Skills

Data Analysis

Statistics

Machine Learning

Certifications

Analyzing and Visualizing Data with Power BI, Microsoft - DAT207x

Querying Data with Transact-SQL, Microsoft - DAT201x

Introduction to Artificial Intelligence (AI), Microsoft - DAT263x

First Aid/CPR/AED

Microsoft Professional Capstone: Data Science - DAT102x

Honors-Awards

Ronald E. McNair Postbaccalaureate Achievement Program Scholar

Upward Bound Math Science (COSMOS) Scholar, UNC

Samantha Spivey

Data Scientist - Certified by Microsoft Actively Looking for New Opportunities in Denver Metro Area

Denver, Colorado

Summary

Microsoft certified Data Scientist with an experienced background in forensic chemistry and a demonstrated history of working in the government administration industry. Skilled in data analytics, data visualizations, statistics, machine learning, Inductively Coupled Plasma, RCRA, Spectroscopy, ISO 17025, and XRF. Strong community and social services professional with a Master's Degree focused in Analytical Chemistry w/ Minor in Environmental Science from Colorado School of Mines.

Experience

Looking for Opportunities

Unemployed

March 2020 - Present (2 months)

Denver, Colorado, United States

CognitiveScale

Data Scientist

August 2019 - March 2020 (8 months)

Austin, Texas Area

Using data from one of CognitiveScale's healthcare clients to analyze, build features and machine learning models for this client's open enrollment season in the fall of 2019.

- Estimate the effort involved and skills needed from a machine learning perspective for specific customer engagement.
- Learn and understand industry processes and incorporate them into the solution.
- Analyze complex data from various sources to build next-generation ML systems.
- Coordinate and work collaboratively with remote teams to ensure a smooth delivery.
- Measure and optimize the quality of algorithms.

- Collaborate with the R&D team to develop new algorithms that are not available in popular toolkits.

October Swimmer

Data Analyst/ Data Scientist Intern PT

December 2018 - August 2019 (9 months)

Denver, CO

- DATA MINING: Utilize Google's BigQuery to produce tables and views from SQL queries.
- DATA VISUALIZATION: Utilize Google's Data Studio to produce analytic dashboards connected with BigQuery data.

US Environmental Protection Agency (EPA)

Quantitative Analytical (Environmental Forensics) Chemist

June 2003 - October 2018 (15 years 5 months)

Denver, Colorado

National Enforcement Investigations Center (NEIC) - Manage projects as a principal analytical chemist for the Plasma and Characteristics Testing Section in support of the Criminal and Civil Enforcement Programs. Analyze complex environmental and hazardous waste samples to identify chemical pollutants in support of EPA regulatory programs. Train new staff by providing guidance and technical direction for instrument operation and project support. Operate an inductively coupled plasma optical emission spectrometer (ICP-OES) and review ICP-OES data. Operate and maintain an ion chromatograph (IC)/mass spectrometer (MS) and review IC-MS and IC data. Analyze and review data for RCRA characteristics, which include the following techniques; pH determination (Corrosivity), water content determination by coulometric Karl Fischer titrations, flashpoint determination (Ignitability), and sample preparation by Toxicity Characteristic Leaching Procedure (TCLP-Toxicity). Provide appropriate QA/QC to insure legally defensible data.

Education

Microsoft Professional Program

Certificate, Data Science · (2018 - 2019)

Microsoft Professional Program

In Progress, Artificial Intelligence (AI) · (2018 - 2018)

Colorado School of Mines

Master of Science - MSc, Analytical Chemistry w/ Minor in Environmental
Science · (2009 - 2013)

University of Colorado Denver

Bachelor of Science - BS, Chemistry · (2002 - 2004)

Colorado School of Mines

Transferred, Petroleum Engineering · (2000 - 2002)