Michael G Bennett

Data Scientist • Software Engineer

CONTACT

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📍 Denver, CO

SKILLS

PROGRAMMING & ANALYSIS

Python: Scikit-learn, NumPy, SciPy, Pandas, Matplotlib
Databases: Postgres, MongoDB, MSSQL, AWS RDS
Web: HTML5, CCS3, ASP.NET, Flask
Computing: Git, SQL, UNIX, C#, GIS, Shell Scripting
Familiarity With: R, MATLAB, JavaScript

DATA SCIENCE

- Exploratory Data Analysis
- Natural Language Processing
- Regression & Regularization
- Bayesian & Frequentist Statistics
- Trees & Random Forests
- Gradient Boosting
- Cluster Computing & AWS
- Spark
- PCA, SVD, SVM, NMF

BUSINESS

- Public speaking
- Media Relations
- Strong Energy Industry Knowledge
- Commodities & Derivatives

EDUCATION

INDIANA UNIVERSITY

BA, BUSINESS & SOCIOLOGY
May, 2010 | Bloomington, IN

EXPERIENCE

GALVANIZE | DATA SCIENTIST FELLOW

May 2016 – Present | Denver, CO

- Data Science Immersive covering Python, Spark, statistical concepts, data visualization, machine learning, natural language processing, and deep learning
- Coursework inlcuded mutlitple case studies pertaining to real-life data

BTU ANALYTICS, LLC. | SENIOR QUANTITATIVE ANALYST

March 2015 – May 2016 | Lakewood, CO

- Created and maintained daily data collection and modeling system to gather information from various public and private sources and to deliver in automated fashion graphical and numerical highlights on relent trends or changes.
- Authored and delivered consulting engagements based on quantitative research.

BENTEK ENERGY | QUANTITATIVE ANALYST

October 2013 - March 2015 | Denver, CO

- Responsible for creating forecasts, authoring market reports and constructing quantitative models.
- Responsible for development, maintenance and recalibration models.
- Assist business analysts in constructing advanced data queries and stored procedures.

ENERGY ACUITY | SOFTWARE DEVELOPER AND ANALYST

October 2011 - September 2013 | Denver, CO

- Developed, built and maintained various Microsoft SQL Served based databases utilizing public and governmental data.
- Responsible for the creation of stored procedures to load, alter, cleanse and integrate data with existing schemas.
- Constructed various web-based querying and data display tools utilizing C#, ASP.Net, JavaScript, LINQ and CSS.

PROJECTS

GALVANIZE | DENVER PROPERTY LEVEL CLUSTERING

July 2016 | Denver, CO | GitHub Repo

- Utilize web scraping, AWS EC2 and geospatial analysis to engineer various sociodemgraphic metrics for every property in Denver, CO.
- Implemented two stage clustering algorithms for census and parcel level data to analyze gentrification trends in Denver from 2010-2015.
- Employ Leaflet, TileMill and Mapbox for creating visualizations of the property level changes.

GALVANIZE | FRAUDULENT EVENT DETECTION

July 2016 | Denver, CO

- Deployed real-time fraud detection web application for prominent e-commerce company
- Used NLP on event descriptions and combined with random forest classifier to raise attention to potentially fraudulent events.