BRIAN OSGOOD – DATA PROFESSIONAL

osgoodb.com | (253) 548-5243 | brian@osgoodb.com

SKILLS

Python: Pandas, NumPy, Scikit-Learn, web scraping, SciPy

Machine Learning: Classification, NLP, Regression, Feature Engineering, Recommender Systems, Time-series, Feature Engineering, PCA

Data Visualization: Tableau, PowerBI, Google Data Studio, Plotly, Seaborn

Other: SQL, Docker, AWS, git, VBA

EXPERIENCE

Geotechnical Engineer, *AECOM,* Sep-2015 – Mar-2018

- Spearheaded project to automate the collection of seismic and water sensor data that monitored foundational concrete injection at the Mosul Dam in Northern Iraq during Operation Inherent Resolve. Used PowerBI and SQL to connect multiple data sources and generated dashboards that revealed key information for targeting problem areas, reducing costs and waste of materials while improving safety and efficiency.
- Oversaw the construction of a mining operation's refining waste containment dam in the arctic circle to prevent contamination outside of the designated area. Automated report generation using Excel and Access, supervised construction crews and performed soil sampling/reporting that was entered into Access.
- Directed an emergency sinkhole repair at Boeing field using direct injection of grout to prevent further collapsing while using geospatial data to find the best drilling location.

EDUCATION

Data Science Immersive, Seattle, WA, *General Assembly*	Apr-2018 Jul-2018
B.S Mining Engineering - Operations, Tucson, AZ, *The University of Arizona*	Aug-2009 May 2015

PROJECTS

PyFilter

    Social Media object detection using Tensorflow, SQL, Twitter API and Google Drive API to gain deeper knowledge from Twitter postings. Data summarized with Data Studio for brand and marketing insights.

Reddit Analysis

    Natural Language Processing of Hot posts on Reddit.com. Using Scikit-Learn to analyze post titles and generate a prediction on a new posts' median number of comments, based on words used in the title. A secondary analysis predicted post "Karma" and if that post would gain over 15,000 Karma.