BRIAN OSGOOD – DATA PROFESSIONAL

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SUMMARY

With a strong engineering background, and field experience ranging from the arctic circle to war zones in the middle east. My experience has caused me to always be looking for a better, faster way to accomplish any task efficiently, while using the best means available. I enjoy unraveling the mysteries in data, presenting clear, easy to interpret results.

SKILLS

Python	**Related**
Machine Learning, Neural Networks, Deep Learning, NLP, TensorFlow, PCA, Recommender Systems	PowerBI, Tableau, HTML, SQL, VBA, CSS, GIT, Excel Docker, Google Data Studio

EXPERIENCE

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

- Spearheaded project to automate the collection of seismic and water sensor data along with foundational concrete injection at the Mosul Dam in Northern Iraq during Operation Inherent Resolve. Improved effectiveness of operations and safety of project. 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.

- Oversaw the construction of a mining operation's refining waste containment dam in the arctic circle to prevent contamination outside of 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 sink hole 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 Image recognition tool, using Tensorflow, SQL, Twitter API and Google Drive API to verify Tweet images vs. hashtags used on Tweet. Data summarized with Data Studio for brand and marketing insights.

AirSpy

Wrote a program that assists in detecting lease violations on Airbnb and generates a dashboard in Tableau for clients to monitor.