

Brian Osgood

Data Professional

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

Personal Info

Phone

(253) 548-5243

E-mail

brian@osgoodb.cm

WWW

osgoodb.com

LinkedIn

www.linkedin.com/in/brianosgood/

Skills

Python	■■■■■
SQL	■■■■■
ETL	■■■■■
PowerBI	■■■■■
Spark	■■■■■
Data Pipeline	■■■■■
Data Visualization	■■■■■
Airflow	■■■■■
Machine Learning	■■■■■
RDBMS	■■■■■
Tableau	■■■■■
Recommender Systems	■■■■■
Regression	■■■■■
Time-Series Analysis	■■■■■
Feature Engineering	■■■■■
Google Data Studio	■■■■■
Git	■■■■■
AWS (RedShift, EC2)	■■■■■
NLP	■■■■■
Google Analytics	■■■■■
Debugging	■■■■■
Quantitative Analysis	■■■■■
Tensorflow	■■■■■

Experience

2018-09 - present

Web Designer | Data Engineer (Part Time)

Empire Strategists

- Refining client vision into tangible webpages
- Integrating SEO and Google Ads to increase traffic to client's page
- Designing of E-Commerce Store Fronts
- Built and deployed a SQL database to track store inventory
- Designed machine learning algorithm to predict sales for the upcoming week

2015-09 - 2018-03

Engineer | Data Professional

AECOM

- Used Python and Pandas for ETL to breakdown pumping information over multiple iterations to feed into ArcGIS Database
- Created and implemented a PowerBI dashboard built on top of 3 PostgreSQL databases. Dashboard saved ~2 million dollars and accelerated project completion by 2 months
- Designed and deployed a cloud-based recording tool for non-technical workers to gather field data that would feed PostgreSQL database with Django
- Automated weekly report generation on a project using Excel

Education

2018-04 - 2018-07

General Assembly, Data Science Immersive, Certificate

12 week immersive course covering:

- Data Analysis, Data Engineering, Data Science
- Statistics, Machine Learning, Deep Learning, ETL, SQL, Spark

2009-08 - 2015-05

University of Arizona, B.S. Mining Engineering - Operations

Projects

PyFilter

- Social Media object detection using Tensorflow, SQL, Twitter API and G Suite API that revealed deep insights in brand exposure across Twitter based on hashtags used to tag a photo
- Summarized data using ETL methods and exporting to Google Data Studio
- Self-annotated 3,000+ images of subject material

Reddit Analysis

- Natural Language Processing (NLP) of Hot posts on Reddit.com
- Primary analysis used Python to analyze post titles and to 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

Ames Housing

- Took 2nd place in General Assembly Data Science Competition to predict house prices
- Used Python to feature engineer and clean data on the Ames Housing Data
- Cleaned data was used with XGBoost to generate price predictions based on multiple criteria

Interests

building custom Python apps, leveraging Excel for custom projects, exploring visualization techniques