

Summary

Problem-solving data analyst with analytical aptitude to distill Big Data, extract actionable insights and present findings to stakeholders thus facilitating data-driven decision making. Proficient at pattern and trend identification using advanced data mining techniques.

Projects (more in [portfolio](#))

[Capstone: Machine Learning Sommelier](#)

- » Built a Twitter bot that accepts user tweeted wine descriptions and responds with a varietal recommendation as well as most highly rated options and their prices
- » Developed recommendation system using a deep learning neural network classification model
- » Tools: Keras, Tweepy, Scikit, Pandas, Numpy

[Airbnb's Most Popular Neighbourhoods](#)

- » Determined most popular neighborhoods amongst Airbnb users through sentiment analysis of scraped reviews. Created 2nd version of project using number of bookings instead as proxy for popularity. Visualized findings in choropleth
- » Tools: Pandas, Matplotlib, Seaborn, D3.js, LeafletJS, Natural Language Processing, VADER

Experience

Data Analyst

SAIC
Aug 2017 ± June 2018

- » Interviewed customers and identified factors influencing user experience through multivariate analysis of customer survey data. Led to 5% rise in customer satisfaction score. Tools: VBA, SharePoint
- » Increased staff productivity by merging performance data of 30+ Service Level Agreements (SLA) with U.S. Government client into centralized database and KPI dashboard. Contributed to 4% increase in revenue. Tools: JavaScript, ETL
- » Enabled client and internal stakeholders by communicating findings from time-series analysis of SLA performance data in monthly and quarterly reports and meetings.
- » Led cross-functional team of designers, engineers, product managers, and business stakeholders in the design and implementation of data-sourced recommendations.

Business Analyst

Cisco Systems
July 2015 - Sep 2016

- » Developed models, dashboards, and case studies based on post-implementation reviews of completed client projects - used findings to implement corrective action
- » Collaborated in the creation of new revenue stream by adapting the Smart City digital transformation service to Army bases. Pilot program implemented at Fort Lee, VA

Education

George Washington University

Data Analytics and Visualization
Certificate
2018

Smith College

B.A., Economics
2011 - 2015

Skills

Data Analysis: Pandas, Numpy, Matplotlib, Scikit-Learn, MS Excel

Machine Learning: Linear and Logistic Regression, Natural Language

Programming: Python, JavaScript, SQL, R

Visualization: Tableau, D3.js, HTML/CSS

Other: MongoDB, Flask, Hadoop, Google Cloud Platform