
Contact

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Key Skills:

Python
SQL
Data Cleaning
Storytelling with Data
Machine Learning
Ad hoc reporting

Tech Stacks:

Scikit Learn ML
Tensorflow Keras
Flask

Education:

General Assembly
DATA SCIENCE

College of Wooster
BACHELOR OF ARTS:
Communications
THESIS:
*Systems Analysis of Leadership in
Text Based Communities*

I am a people centric Data Scientist with an inquisitive mindset and a passion for discovering and sharing analytics process improvements. My years in financial analysis enable me to advice companies in retaining and growing business with a data driven approach and articulate results in presentations with technical and nontechnical audiences. Where does your data trail lead? Is it where you want to go?

Data Science Experience:

Speech Emotion Recognition:

Neural Network model to identify the emotional tilt of speech or song from raw sound files. Comparing modeling strategies for training speed, accuracy and performance on novel samples creates a model that can compete with academic teams. 81/77% train/test accuracy rate with an average training time of 0.08s per epoch, improving on baseline by 52%.

KEY WORDS: TENSORFLOW KERAS, AUDIO SIGNAL PROCESSING

Payroll Protection Program Loan Prediction

Classification model built using heterogenous datasets to predict whether a nonprofit entity will receive a PPP loan from its TY2019 Federal Tax filing.

KEY WORDS: AGGREGATE DATA MAPPING, FINANCIAL ANALYSIS

Covid-19 News Title Misinformation Classifier

Led a team building a web application that uses a title to predict the likelihood of an article to contain misinformation related to the COVID-19 pandemic. Production model has a 93% accuracy rate.

KEY WORDS: NATURAL LANGUAGE PROCESSING (NLP), FLASK

General Assembly | Data Science Fellow

06/2020 - 09/2020

Full time (420hr+) immersive program that focuses on developing skills practical skills including Frequentist and Bayesian statistics, Python, SQL and Scala coding, requirements gathering, data analysis, feature engineering and design, visualization, hypothesis testing, nature language processing, using supervised and unsupervised machine learning experiments.

OBTAINING DATA: APIS AND WEB SCRAPING

EXPLORING DATA: MATPLOTLIB, SEABORN, TABLEAU

MODELING DATA (SUPERVISED AND UNSUPERVISED LEARNING): LINEAR REGRESSION, CLASSIFICATION, REGULARIZATION, DIMENSIONALITY REDUCTION, NATURAL LANGUAGE PROCESSING, VECTORIZATION, PRINCIPAL COMPONENT ANALYSIS, TIME SERIES ANALYSIS AND NEURAL NETWORKS.

Regional Income Tax Agency of Ohio | Business Compliance Auditor

04/2018 - 04/2020

Prepared biweekly strategic compliance and financial reports for 6 Joint Economic Development Districts with quantitative methods while working autonomously to research and deliver detailed insights of income and payroll tax returns and business audits in a fast-paced environment.

DEVELOP MICROSOFT EXCEL AUDIT TRACKING DASHBOARD

PROVIDE EXCEPTIONAL CUSTOMER EXPERIENCE

RECORD TAX REVENUE GENERATION OF OVER 100,000 IN A SINGLE MONTH

RECORD FORMS PROCESSING SPEED OF 700 IN A DAY.