

Jonathan Leverenz

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Task Oriented Data Analyst, with a passion for machine learning algorithms and insightful visualizations. Holds professional certification in data science through Butler University certificate program with over 30 projects completed, and hundreds of hours invested in learning how to work with data with tools such as Python, Pandas, MySQL, SQLite, and various machine learning algorithms. Excellent Team-player and result oriented leader with a drive to learn.

Technical Skills

Languages: Python, Javascript, HTML, MySQL

Technologies: Tableau, Flask, Pandas, SQLite, Tensorflow technologies

Projects

Homeless Analysis | https://github.com/smsheehan/Class_Project

- Used a large collection of Coc and county data to predict homelessness in cities with machine learning
- Cleaned data using pandas and set up a development SQLite3 Database to store data.
 - **Machine Learning Algorithms (Linear Regression, KMean, Neural Network)**
 - **Tableau**
 - **SQLite**
 - **Pandas**

Speech Emotion Analysis | <https://github.com/JonLev03-hub/Speech-Emotion>

- Used python to modify audio files from RAVDESS, creating a machine learning model that can predict the emotion in speech with an 82% accuracy.
 - **Python**
 - **MLPClassifier**

Experience (3 Months)

Stock strategy analysis | Private contract | Remote Location| December 2021 - February 2021

- Created a program to evaluate stock strategy performance routinely.
- With my revisions, the stock portfolio increased theoretical performance by 20%.
- Successfully identified 4 losing strategies inside of a portfolio using python, and associated packages.

Education

Certificate, Data Analytics and Visualization: Butler University, Indianapolis, IN | December 2021 - March 2022

Bachelors, Computer Science: Ivy Tech University, Indianapolis, IN | January 2020 - Current

Diploma, Highschool: Lawrence North Highschool, Indianapolis, IN | August 2016 - December 2019