

# Keenan Sivitz

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## EDUCATION AND TRAINING

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### Udemy

2022 Python Data Science and Machine Learning Masterclass

Dec 2022

Coursework

Pandas Dataframes  
Supervised Learning Algorithms  
Natural Language Processing

Seaborn Visualization  
Unsupervised Learning Algorithms  
Data Cleaning and Preparation

### University of South Florida

B.A. in Mathematics

Dec 2014

Coursework

Intermediate Analysis  
Numerical Analysis  
Essentials of Statistics

Calculus 1-3  
Optimization  
Bridge to Abstract Mathematics

## PROJECTS

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### Note and Instrument Identification from Audio File

Jan 2023

[Link to Project](#)

- Extracted several distinct features from audio files using Librosa.
- Used multiple visualization tools to showcase data variety and correlation.
- Tested various ML models to classify audio files by instrument and pitch.

### Predicting Black Friday Sales

Jan 2023

[Link to Project](#)

- Created data visualizations used to explore consumer data and its correlation to purchasing habits.
- Deployed random forest regression to predict potential sales for the company, as well as for individual product categories.

### Reddit Sentiment vs Apple Stock Price

Jan 2023

[Link to Project](#)

- Used natural language processing tools to create sentiment scores for individual comments on the current state and future of Apple stock.
- Combined NLP data with stock price information, used feature engineering to create meaningful derivations of price action.
- Trained models on combined data to assist in stock trading strategies.

## WORK HISTORY

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### Palm and Oak Painting, LLC

Owner / Operator Jan 2017 - Present

- Manage all aspects of business including accounting, marketing, employee acquisition and training, customer service, managing expenses, and various other tasks.

## SKILLS

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### Technical

**Machine Learning:** Classification, Regression, Supervised and Unsupervised models, Boosting Methods, Training and Model Deployment

**Data Analytics:** Data Cleaning, Feature Engineering, Data Visualization, Statistical Analyzation

### Software

**Proficient:** Python, Scikit-Learn, Seaborn, Pandas, Numpy, Matplotlib, Microsoft Office Suite

**Familiar with:** HTML, CSS, SQL