

HUNTER WALKER

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- LinkedIn - <https://bit.ly/3cn50d1>
- Portfolio - <https://bit.ly/2JSpikl>

Education

University of South Florida

- Fall 2014 – Fall 2020
- Information Technology
- Relevant Coursework: *Discrete Structures, Data Structures, Architecture & Operating Systems, Database Systems Design, Program Design, Engineering Statistics, Linear Systems*

Experience

PLAY PERFORMING ARTS

Piano Instructor / Feb '15 – Aug '19

- Created curriculum and provided education for students through regular communication, progress monitoring and the development of practice routines.
- Maintained documentation of individual student achievement and ability and created individual roadmaps for growth while providing consistent progress monitoring.

YOUNG AT HEART, INC.

Vice President / April '19 – Present

- Started an A/V production company and organized a team to collaborate on audio visual productions.
- Teamed up with artists and musicians throughout the state of Florida, regularly outputting content.

Projects

Song Genre Classifier

- Aggregated, from the Spotify API, 1,000 songs spanning 10 playlists and utilized k-nearest-neighbors and random forest to classify songs by genre.
- Put together, within Tableau, a graphic showcasing the confusion matrix which displays the performance of the model. Some genres resulted in near-perfect classification.

Audio Sampler iOS Application

- Developed a simple and intuitive user interface, incorporating 'neumorphism' and interactive animations.
- Allowed for users to record, store and playback audio in a creative and unique manner.

Alternative Rock Artist Mapping

- Aggregated and cleaned artist information from tables on Wikipedia using BeautifulSoup, GeoPy, and other Python libraries.
- Used Tableau to map and label origin locations and start dates for over 1,200 artists.

Skills

- SQL (MySQL)
- Swift (Xcode, SwiftUI, Core Data, AVFoundation)
- Python (NumPy, Matplotlib, pandas, scikit-learn)
- Java (Object-Oriented Programming)
- Data Visualization (Tableau)
- A/V Production (Cubase 10, Logic Pro, DaVinci Resolve, Final Cut Pro, Sketch)