ALEX CONERLY

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Portfolio: https://alexconerly.github.io/portfolio/#
Github: https://github.com/alexconerly

SUMMARY

Highly motivated data analyst with a passion for helping businesses find insights with cutting-edge tools. Skilled in using programming languages and technologies such as Python, SQL, Excel, JavaScript, R, Tableau, Machine Learning and more to solve real-world problems with 10+ years of business experience.

TECHNICAL SKILLS

Tools:

Python	SQL	Tableau
Machine Learning	R	Excel
Flask	HTML	CSS
Javascript	Git	Extract Transform Load (ETL)
Statistics	Visualizations	Matplotlib

Databases: PostgreSQL, SQLite, AWS, MongoDB

SAMPLE PROJECTS

Project: Predicting Nashville Airbnb Prices
Github Link: github.com/alexconerly/Predicting_Airbnb_Prices
Live Demo: airbnb-price-prediction-stage.herokuapp.com/
- *Analyzed historical Airbnb data with machine learning models to predict the rental price of a given airbnb based on its features and created a dynamic website for users to find a suitable price for their airbnb*
- *Project Manager, collaborated with team, found airbnb data, data cleaning/engineering, compared machine learning models on similar metrics, incorporated databases, created a fully dynamic web page*

   Tools: Python 3, Jupyter Notebook, Machine Learning, Visual Studio Code, Pandas, Numpy, Scikit-learn, Plotly, JavaScript, Heroku, Flask, PostgreSQL, Tensorflow, Matlplotlib, Trello, Discord, Seaborn, HTML, CSS

Project: MechaCar Statistical Analysis with R Programming
Github Link: github.com/alexconerly/MechaCar_Statistical_Analysis
- *Used R Programming to perform various statistical tests to aid a car manufacturing team uncover insights about what may need improvements in a vehicle prototype*
- *Required linear regression, T-tests, summary statistics analyses of significance levels and p-values, deciding whether to reject null hypotheses according to statistical results*

   Tools: Python 3, Jupyter Notebook, Visual Studio Code, pandas, scikit-learn, Plotly

Project: Pewlett-Hackard Employee Analysis with PostgreSQL
Github Link: github.com/alexconerly/Pewlett-Hackard-Analysis
- *Used PostreSQL to aid a company in analyzing company-wide employee data in order to safeguard their human resources from retiring employees*
- *Required preparation of entity-relationship diagram (ERD), queries to the relational database, a deep understanding of the data, merges, aggregations, groupby and orderby functions, data engineering*

   Tools: PostgreSQL, Quickdbd.com, Excel, PgAdmin, Visual Studio Code

WORK EXPERIENCE_____

PROFESSIONAL TOURING MUSICIAN - The Barefoot Movement LLC   **2013 – Current, Nashville, TN**
    Guitarist, Songwriter, Vocalist
- *2014 "Band of the Year" Momentum Award recipient, voted by IBMA*
- *Collaborated with managers, bandmates, agents, venues, sound engineers and other high-profile industry professionals to schedule tours, album and song releases, merchandise, and to promote business*
- *Signed contract with Bonfire Music Group record label*
- *Selected by U.S. Embassy as representatives for the Arts Envoy program in Burkina Faso, Africa*

    Sound/Video Technician
- *Executed set-up, maintenance, and technical operation of band equipment, stage-plot software, in-ear monitor system, microphones, mixing for live performance and studio recordings and editing of videos for on-tour footage for online promotional content*

    Engineer/Co-Producer
- *Co-engineered/produced 4 self-titled albums, using personal studio and record label equipment to meet label deadlines*

KITCHEN CABINET SERVICE TECH - Sims-Lohman   **Summer 2020, Nashville, TN**
- *Serviced kitchen cabinets, islands, quarter rounds, and other construction items to meet client specifications*

PROFESSIONAL GUITARIST AND SOUND ENGINEER - Freelance   **2003 – Current, Nashville, TN**
- *Networked and self-promoted guitar playing and sound expertise to land cross-genre session and live performance work for 100+ artists*

PRIVATE LESSON INSTRUCTOR AND MUSIC EDUCATOR - Freelance   **2002 – Current, Nashville, TN**
- *Guitar instructor both privately for 100+ students and publicly for organizations such as Folk College, Folk Alliance International, Bluegrass Camp for Kids, and festivals around U.S. and Canada*

GUITAR AND MANDOLIN TECH - The Band Perry   **Summer 2012, Nashville, TN**
- *Used knowledge of technical set-up and maintenance of instruments to ensure playability in high-paced concert events*

EDUCATION_____

Vanderbilt University: Data Analytics Bootcamp Certificate

-24-week, intensive program with hands-on learning of skills like Python, R, Statistics, SQL Databases, JavaScript, Excel, VBA, HTML/CSS, Tableau, Big Data, and Machine Learning

Nashville Software School: Data Analytics Jumpstart Certificate

-Special focus on Python programming, data visualization, and exploratory data analysis

University of Mississippi: Bachelor's in Business Administration

ProMedia: Certified Pro Tools Software Operator of Music

The Recording Workshop: Recording Engineering/Production Certificates (4)

        -The Recording Engineering and Music Production Program

        -The Advanced Recording Engineering and Music Production Program

        -The NewTech Audio Production Program

        -The Studio Maintenance and Troubleshooting Program