

KATHERINE RAVENWOOD

DATA SCIENTIST

CONTACT

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PROFILE

Early career data scientist with 25 years of experience in arts administration, education and music performance.

EDUCATION

2022

ENTITY ACADEMY / WOZ U

Data Science Certificate

2000

ARIZONA STATE UNIVERSITY

Bachelor of Music in Performance

MANAGEMENT SKILLS

- Agile Development
- Talent Acquisition
- Project and Team Management
- Git, MS Office, Adobe CS

TECHNICAL SKILLS

- Machine Learning
- Software Engineering
- Advanced Analytics
- Statistics and Probability
- Data Visualization
- Python, R, SQL
- HTML, CSS, JavaScript, PHP

EXPERIENCE

2021 - 2022

Data Science Student | Entity Academy / Woz U

Capstone Project

- **Dataset creation** using JSON and public API data
- Music feature **analysis** using Python and R for regression and features correlation
- **Machine learning and classification** using random forest and KNN algorithms
- **Data visualization** in Python, R, and Tableau

Other Projects

- **Machine learning** analysis and programming in Python and R
- **Statistical analysis** of project datasets
- **Presentation of analysis findings** via deliverable documents and PowerPoint slide deck presentations

2000–PRESENT

Project Lead & Designer | Lazy Chapel Studio

- **Development and design** of client websites (HTML, CSS, JavaScript, WordPress, and MovableType)
- Development and deployment of **marketing campaigns** and promotional materials including branding, social media, print and direct mail marketing, and event planning and coordination.

1996–PRESENT

Instructor & Director | Ladybird Blues Music Studio

- **Educational design** of programs for individual and classroom learning in both classroom and extracurricular settings
- Development and deployment of **marketing campaigns** and promotional materials including branding, social media, print and direct mail marketing, and event planning and coordination.

2003–2019

Managing Director | Great Noise Ensemble

- **Administrative management** of executive team and board, grant writing team, artistic leads, and personnel department
- Oversight of **non-profit financial processes and grant management**
- Financial and administrative management of **copyright and royalty reconciliations and reporting**
- **Contract negotiation** and **event planning**