

DATA SCIENTIST

Professional classical musician and entrepreneur turned data scientist who excels at machine learning, data storytelling, natural language processing, and deep learning techniques.

I enjoy the crossovers of data and music and see data as a tool for effective strategizing and problem-solving. Seeking to leverage my small business and music industry expertise in diverse applications of data science.

TECHNICAL SKILLS

- **Coding:** Python, SQL, PostgreSQL, Git, Scala, PySpark
- **Machine Learning:** Pandas, Numpy, StatsModels, Scikit-Learn, Scikit-Time, Numpy, NLTK, spaCy
- **Deep Learning:** Tensorflow, Keras
- **Data Visualization:** Matplotlib, Seaborn, Plotly, Tableau
- **Data Management:** Data collection and wrangling, web scraping, sampling, hypothesis testing

EXPERIENCE

General Assembly

Aug-Nov 2020

Data Science Fellow

- Developed a generative chat-bot using transfer learning with Open AI's GTP-2.
- 2nd place in cohort Kaggle Competition predicting housing prices using sci-kit learn pipelines, grid searches and various regression models
- Classified, with 85% accuracy, web-scraped posts from Reddit using NLP techniques
- Created a Seq2Seq generative chat-bot utilizing the Keras deep learning library
- Analyzed, modeled and deployed an interactive web app using current COVID-19 data applying an unsupervised Hidden Markov model to identify regime changes in daily case rates

NC Symphony

2012-2020

Associate Principal Trumpet (2020)

4th / Utility Trumpet (2012-2019)

- Led the North Carolina Symphony brass section in performances, recordings, and broadcasts
- Spearheaded small ensemble performances for educational outreach and publicity
- Collaborated with top industry professionals such as Grammy award winners, Branford Marsalis and Renée Fleming

Performance

Contractor

2016-Present

Business Owner

- Responsible for creating and executing contracts for local and national performing arts organizations
- Regularly assess and advise budgets, pay scale, and working conditions
- Consult for hiring managers of performing arts organization

Boylan Brass

2012-2016

Founder and Partner

- Designed and performed innovative content-specific music programs
- Led weekly meetings with partners, musicians, and clients

St. Augustine's University

2016

Adjunct Professor of Performing Arts

- Curated curriculum and presented weekly lectures
- Advised students on career development in the performing arts

EDUCATION

Rice University | Houston, TX

- Master's Degree, Performance and Literature 2011
- Graduated with Honors

The University of Michigan | Ann Arbor, MI

- Bachelor's Degree, Performance, 2009
- Graduated with Honors