Alexander Fioto

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Raleigh, NC 27604
Github
Portfolio

DATA SCIENTIST

Data scientist with 8+ years of entrepreneurial experience 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

- **Code:** Python, SQL, PostgresSQL, SQLite, Git, HTML, Bash, Spark, basic R and Scala
- **Stats Techniques:** A/B Testing, Feature Engineering, Sampling, Inferential Stats, Hypothesis Testing
- **Stats Tools / Visualization:** Pandas, Numpy, Scipy, StatsModels, Matplotlib, Tableau, Plotly
- **ML Techniques:** Regression, Classification, Predictive Modeling, Forecasting, Natural Language Processing
- **ML / Deep Learning :** Scikit-Learn, Scikit-Time, NLTK, spaCy, Gensim, Tensorflow, Keras, Clustering
- **Data Management:** Relational Databases, Data Mining, Data Collection and Wrangling, Web Scraping
- **General Tools:** Docker, Flask, Streamlit, Open-Source Software, Version Control, Testing, GitHub

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 Tensorflow 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
- Create and execute 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 organizations

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