

Stephanie Barrett

DATA SCIENTIST

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EDUCATION

BrainStation | Diploma, Data Science

JUNE 2023 - SEP 2023, ONLINE

BrainStation | Certificate, Data Analytics

NOV 2022 - FEB 2023, ONLINE

Lynn University | Master of Music, Cello Performance

AUG 2016 - MAY 2018, BOCA RATON, FL

Virginia Commonwealth University | B.S. Psychology, B.M. Music Performance

AUG 2009 - MAY 2014, RICHMOND, VA

PROFILE

For the past 13 years, I have been working as a professional cellist and a music educator. My overall interest in analytics and problem-solving in my own fields and in various sectors led me to pursue formal education in Data Analytics and Data Science, equipping me with a strong foundation in data cleaning, visualization, and modeling. My experience as a musician has provided me with excellent collaboration skills, a fine attention to detail, and a deep understanding of the relationship between the process and the bigger picture.

SKILLS

Python, SQL, R, Tableau, Machine Learning in scikit-learn, Tensorflow, Keras, Pytorch, AWS, Hadoop, Spark, Hive, Docker, Cloud Computing, Hypothesis Testing, Parametric & non-Parametric Tests, Matplotlib, Plotly, Seaborn, Microsoft Office, Agile Development

PROJECTS

Lead Data Scientist | Music Genre Classifier

SEP 2023, BRAINSTATION CAPSTONE

- Optimized supervised and unsupervised machine learning models with the aim of classifying songs by genre based on multiple Spotify song attributes

EXPERIENCE

Freelance Cellist | Independently Contracted

SEP 2010 - PRESENT, RICHMOND, VA

- Hired as an independent artist to regularly perform as an orchestral section cellist, chamber musician, and soloist
- Founding cellist of Rosette - a string quartet that performs unique, lecture-style concerts of string quartet repertoire as a part of their own living-composer music series, So Hot Right Now, making new music accessible to all audiences
- Independent recording artist for various local studios, including Spacebomb Studios and Montrose Studios - recorded on over 15 artists' albums

Orchestra Director | St. Catherine's School

JULY 2021 - 2023, RICHMOND, VA

- Launched, led, and organized the school's first orchestral concert with professional guest artists in collaboration with other independent schools' orchestras to highlight various genres and styles of music, which led to increased enrollment and significant growth in the arts department, reinvigorating the strings program
- Launched the first conductorless Honors Chamber Ensemble to provide a unique and challenging experience for more advanced students which led to an increased interest in the upper school strings program
- Created, prepared, supervised, and graded 20 monthly individual performance examinations, and distributed quarterly progress reports to students and parents with a focus on teaching efficient and self-guided problem-solving

Ensemble Director | Richmond Waldorf School

JUNE 2019 - 2021, RICHMOND, VA

- Organized school-wide performances, created weekly lesson plans, provided quarterly feedback to parents, and assisted in creating a new 4th-8th grade music curriculum in tandem with the school's initiative
- Taught essential music technique and theory to, on average, 10 elementary-aged cellists biweekly, which led to increased enrollment and a more comprehensive school orchestra program

Private Cello Instructor | Independent and Contracted

SEP 2012 - JUNE 2023, RICHMOND, VA

- Provided individualized instruction for up to 25 students of all ages on a weekly basis, which led to students winning auditions for regional and state orchestras, collegiate music programs, and youth orchestral programs