[Entry-level Data Analyst role]

FirstName LastName

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EDUCATION

George Washington University, Washington, DC
Master of Science, Data Science expected May 2025

- Relevant Coursework: Visualization of Complex Data, Data Warehousing, Data Mining

Brandeis University, Waltham, MA
Bachelor of Science, Computer Science May 2023

PROFESSIONAL EXPERIENCE

American University, Washington, DC
Data Analyst, Central Student Advising Office Jun 2023 - Present

- Directly influenced significant reallocation of advising resources by creating Tableau dashboard of 100K+ student records that identified trends in course registration bottlenecks.
- Reduced data support ticket resolution time by 30% by creating standardized troubleshooting documentation for 160 users across five platforms.
- Provided department heads with access to up-to-date metrics instantly, replacing weekly manual report used by five advising units.
- Developed and delivered virtual training for 160+ users; 97% of attendees reported improved confidence using new data tools based on post-training surveys.

PROJECT EXPERIENCE

Fantasy Football Modeling (independent) Feb – Apr 2024

- Consolidated five years of NFL fantasy stats from six sources into MySQL database; used Python to model weekly player performance, increasing win rate from 40% to 68% over 10-week season.
- Delivered weekly visual summaries in matplotlib for player optimization, leading to league-high point total.

Stock Analysis (academic) Jan – May 2023

- Conducted regression analysis on 20 NYSE-listed firms using R, revealing that P/E ratios explained 42% of variance in five-year revenue growth.
- Cleaned API-based financial data (JSON) using Python, producing fully reproducible workflow for future stock performance forecasting.

Music Recommendation Engine (independent) Apr – Aug 2022

- Designed personalized music recommendation system to streamline playlist creation and reduce decision fatigue for users by analyzing listening habits and preferences.
- Achieved 65% reduction in average music selection time by developing K-Nearest Neighbors model in scikit-learn using 10,000+ rows of Apple Music user data.
- Produced more targeted playlist suggestions by building interactive Tableau dashboards to visualize recommendation accuracy and user behavior trends by genre and time of day.

TECHNICAL SKILLS

Programming: Python, R
Databases: SQL, MongoDB, Hadoop
Visualization: Tableau, Google Data Studio, Excel, matplotlib, seaborn
Python Libraries: pandas, numpy, scikit-learn, matplotlib, seaborn
Other: Git, APIs, Excel (Pivot Tables, VLOOKUP), Jupyter Notebooks