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Rashaad Ratliff-Brown

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EDUCATION

Duke University

Masters of Science (MS) - Interdisciplinary Data Science

Durham, NC

MAY 2023

- **Relevant Coursework:** Modeling and Representation of Data, Practicing Data Science, Natural Language Processing, Data Engineering Systems, Unifying Data Science, Machine Learning, Data Analysis in Cloud, Mobile Application Development, Financial Algorithms

University of North Carolina at Charlotte

Bachelor of Science (BS) - Computer Science

Charlotte, NC

DEC 2020

- **Relevant Coursework:** Visual Analytics, Big Data Analytics for Competitive Advantage, Applied Machine Learning, Big Data Design, Storage, and Provenance, Business Intelligence and Analytics, Artificial Intelligence, Operating Systems & Networking, Software Engineering, Cloud Computing for Data Analysis, Software Development, Machine Learning, Computer Architecture, Applied Regression, Data Mining

SKILLS

Programming Languages

Python, R(Dplyr, TidyR, Knitr), Bash, Javascript, Java, SQL, C, C++, HTML, CSS, Markdown, Swift

Database

MySQL, PostgreSQL, Tableau, Databricks, Dask

Big Data & Visualization

Seaborn, Matplotlib, Pandas, GGplot2, Plotly, Altair

Machine Learning Framework

Scikit-learn, Keras, NLTK, TensorFlow, KNN, KMeans, Logistic Regression

Data Science & Misc. Technologies

A/B testing, ETL, Data Science Pipeline (Cleansing, Wrangling, Visualization, Modeling, Interpretation), Statistics, Time Series, Experimental Design, Hypothesis Testing, APIs, Git, CI/CD Workflows, SDKs, NumPy, Pandas, SciPy

TECHNICAL EXPERIENCE

SPORTS ANALYTICS DATA STORYTELLING (CAPSTONE PROJECT)

Aug 2022 — May 2023

Arria Boost

Seattle, WA

- Built a robust machine learning model to rank and predict the performance of NCAA Division I soccer teams (men and women).
- Developed an interactive dashboard that serves as a tool for end-users to receive stats and narratives for well-informed sports decisions.

DATA SCIENCE/DATA ENGINEERING RESEARCH INTERN

May 2022 — Aug 2022

Duke Data Plus

Durham, NC

- Improved the Duke Data Plus admissions process by developing a data cleaning pipeline using a Qualtrics API
- Utilized Machine Learning (Hugging Face) algorithms to perform text analysis on user uploaded files
- Developed and implemented an all-in-one application for future Plus Program applicants (Data/Code/Climate/CS)

TECHNICAL CONSULTANT

MAY 2019 — May 2022

Baker Legal Group LLC

Flemington, NJ

- Analyzed technical requirements and business needs to provide appropriate recommendations and solutions.
- Designed, tested, and implemented technical solutions that meet client requirements and improve business processes.
- Maintained up-to-date knowledge of the latest technologies, industry trends, and best practices, and applying this knowledge to provide innovative solutions.
- Troubleshoot technical problems, provided technical support, and escalated issues as needed.

CORPORATE EVENT TECH

MAR 2019 — APR 2019

Orchard Global

Washington, DC

- Designed and implemented the Cvent Mobile app (Crowd Compass) for the 2019 Orchard Investors Symposium with a focus on ensuring the attendees had the most current event information in the palm of their hands.
- Managed Tech department including the oversight and design of corporate slideshows, corporate branding, and signage
- Liaised with Newseum AV department to coordinate all materials for the two-day event (speaker and lighting cues, corporate branding and signage)
- Designed, tested, and implemented client mobile app
- On-site client registration, troubleshooting, logistics, and interfaced with a select group of high-profile senior executives, investors, and curated speakers

FULL STACK DEVELOPER

OCT 2016 — MAY 2017

Joyce Labs, LLC

Raleigh, NC

- Designed and implemented user-facing features using HTML, CSS, JavaScript, and other front-end technologies.
- Built and integrated back-end systems using server-side technologies like Node.js, Ruby on Rails, or PHP.
- Developed and managed databases utilizing SQL
- Ensured cross-browser compatibility, optimizing application performance, and ensuring the security of sensitive data.
- Collaborated with designers and stakeholders to identify and resolve technical challenges.
- Troubleshoot and debugged code, resolving technical issues, and providing technical support to customers.