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# Rashaad Ratliff-Brown

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## EDUCATION

### Duke University

*Masters of Science in Interdisciplinary Data Science*

Durham, NC

MAY 2023 (EXPECTED)

- **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 in 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

<b>Tools and Languages</b>	Python, R, Java, C, C++, JavaScript, HTML, CSS, SQL, $\LaTeX$ , Markdown, Swift
<b>Big Data &amp; Machine Learning</b>	Spark, Hadoop, MongoDB, Python (eg. scikit-learn, numpy, pandas, matplotlib, altair)
<b>Data Science &amp; Misc. Technologies</b>	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

## 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.