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Rashaad Ratliff-Brown

EDUCATION

Duke University — Durham, NC
Masters of Science in Interdisciplinary Data Science — 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 — Charlotte, NC
Bachelor of Science in Computer Science — 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

Tools and Languages	Python, R, Java, C, C++, JavaScript, HTML, CSS, SQL, LaTeX, MarkDown, Swift
Big Data & Machine Learning	Spark, Hadoop, MongoDB, Python (eg. scikit-learn, numpy, pandas, matplotlib, altair)
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

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.
- Troubleshot 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
- Liased 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.
- Troubleshot and debugged code, resolving technical issues, and providing technical support to customers.