

## 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

## 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

### DATA SCIENCE INTERN

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 INTERN

May 2022 — Aug 2022

*Duke Data Plus*

Durham, NC

- Enhanced the Duke Data Plus admissions process by designing an efficient data cleaning pipeline leveraging the Qualtrics API
- Employed advanced machine learning techniques using the Hugging Face framework for in-depth text analysis on user submissions.
- Architected and launched a comprehensive application streamlining the application experience for future Plus Program candidates

### ANALYTICS INTERN

Aug 2020 — Aug 2021

*Coolvio*

Charlotte, NC

- Collaborated with the data analytics team to analyze large datasets using SQL and Python, uncovering insights that drove strategic decision-making.
- Spearheaded the creation of a predictive model using Python and R, which forecasted user behavior trends, aiding the product team in enhancing app features.
- Assisted in the development and deployment of data dashboards using Tableau, leading to improved real-time reporting and KPI tracking for various departments.
- Conducted A/B testing on the company's website, which resulted in a 7% increase in user engagement and a 10% rise in conversion rates.

### 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.