

## EDUCATION

**University of North Carolina at Chapel Hill** — Chapel Hill, NC

*August 2020 - May 2024*

Double Major in Statistics & Analytics and Economics (BS), Spanish for the Professions Minor

- 3.96 Cumulative GPA; Dean's List Fall 2021 - Spring 2024
- Member of Honors Carolina and Phi Beta Kappa Honor Society
- Relevant Coursework: Machine Learning, Data Science, Methods of Data Analysis, Network Analysis

## RELEVANT EXPERIENCE

**IBM** — Associate Data Scientist | AI Developer; Washington, D.C.

*August 2024 - Present*

**Pillar4 Media** — Data Science Intern; Raleigh, NC

*January - April 2023; August - December 2023*

- Coded multiple versions of random forest, MARS, and neural network models in development of prediction tool
- Delivered new analysis of geographic features of consumer behavior through creation of interactive R maps
- Utilized Git for version control and collaborated with team members to efficiently update code
- Built interactive R dashboards and completed quality assurance to improve data accessibility for stakeholders

**JPMorgan Chase & Co.** — Summer Payments Analyst | Supply Chain Finance; Jersey City, NJ

*June - August 2023*

- Cleaned and updated data from multiple sources to ensure records matched across platforms, resulting in over 20% increased account accuracy
- Led team of interns in Salesforce data reconciliation exercise for over 10,000 accounts, requiring coordination across multiple business units to source information

**Doria Wines** — Database Programmer; Arnold, MD

*August 2022 - January 2023*

- Created reliable and organized PostgreSQL database and made modifications according to user requests
- Built custom R Shiny app to automatically connect to database and allow widespread access

**Pillar4 Media** — Customer Analytics Intern; Raleigh, NC

*June - August 2022*

- Generated new consumer insights in project involving parsing strings in SQL database, wrangling data in R, analyzing data in Excel, and creating a dashboard displaying results to allow company-wide access
- Constructed random forest and gradient boosting machine models to predict consumer behavior
- Partnered with video team to create Google Data Studio dashboard allowing SQL database access for non-technical users increasing reporting accuracy by 17% and saving several hours of time each week

## ADDITIONAL EXPERIENCE

**Carolina Analytics & Data Science Club** — Finance Chair; Chapel Hill, NC

*September 2021 - May 2024*

- Developed personal finance R Shiny app and workshop to demonstrate features of package to members
- Designed and led workshops in web scraping, image processing, and data visualization in R and Python

**Pearl Hacks** — Participant; Chapel Hill, NC

*February 2024*

- Constructed dynamic R Shiny finance app with team in under 24 hours and demoed app to judges and participants

**Carolina Data Challenge** — Participant; Chapel Hill, NC

*September 2021; September 2023*

- Created interactive map in Tableau displaying descriptive analysis of natural disasters across the United States

**ASA DataFest at Duke** — Participant; Durham, NC

*March 2023*

- Analyzed data to understand user patterns and suggest improvements to add value to platform of interest
- Led team in creating and presenting tangible solution to low platform engagement based on data analysis

**Citadel Trading Challenge** — Participant; Virtual

*October 2021*

- Utilized quick manual calculations and strategic decision-making to make educated offers in simulated markets

## SKILLS

**Technical Skills:** R, Python, SQL, Git, Tableau, Stata, AMPL, Mathematica, Microsoft Excel, R Shiny, Shiny for Python, Salesforce, Google Data Studio, Data Wrangling, Machine Learning, Data Visualization, Web Scraping

**Languages:** Italian, Native speaker; Spanish, Accredited with State of Maryland Spanish Seal of Bilingualism