Charlie Jubera

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PROFESSIONAL SUMMARY

Curious problem-solver skilled in Python and predictive modeling, who excels at generating insights, fostering relationships, and translating complex ideas into practical solutions.

Software: Python, R, SQL, Git
Analytical Skills: Data Wrangling, Modeling, Feature Engineering, Time Series
Certifications: PCEP—Certified Entry-Level Python Programmer

EDUCATION

Master of Science in Analytics May 2025
Institute for Advanced Analytics, NC State University, Raleigh, NC

Bachelor of Science in Computer Science, *cum laude* May 2023
University of North Carolina at Charlotte, Charlotte, NC

PRACTICUM

Skin Laundry August 2024—Current
Communications Lead

- Conduct customer segmentation in Python using clustering algorithms to identify key features of distinct customer groups for targeted/personalized marketing.
- Engineer 30+ features to enhance segmentation analysis and improve model precision.
- Perform market basket analysis to optimize product placement and visual merchandising.
- Construct advanced SQL queries in Python to process 8.3 million datapoints across multiple tables stored in PostgreSQL.
- Communicate data-driven insights to a non-technical audience.

PROFESSIONAL EXPERIENCE

UNCC Softball Charlotte, NC
Analytics Intern December 2022—May 2023

- Created a web app using Streamlit that accesses Twitter's API in Python to reduce the time coaches spend monitoring prospect social media activity.
- Tabulated post-game reports to communicate and visualize the impact of defense to coaches.
- Produced weekly scouting reports using databases to inform coaches on opponents.

UNCC Baseball Research and Development Charlotte, NC
Research Intern December 2022—May 2023

- Designed an app with R Shiny to identify comparable pitcher aspects, enhancing scouting.
- Developed a lineup optimization tool in Python to simulate offensive performance, achieving an additional 1.89 simulated runs.

ANALYTICS PERSONAL PROJECT

Hockey Savant

- Engineered Python-based data pipeline to extract and process NHL API data, serving analytics to 150+ users via Flask website.
- Built expected goal model using XGBoost to analyze offense and player performance.