

# Hampton Abbott

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## SUMMARY

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Sports Analytics student (B.S., May 2027) and 4.0 GPA / Chancellor's List honoree, backed by 10+ years as a business operator across real estate services, events, and e-commerce. Combines hands-on operational experience with Python, SQL, and statistical analysis to turn data into decisions that move revenue, efficiency, and customer satisfaction. Seeking data, business, or marketing analyst roles.

## EDUCATION

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**University of North Carolina at Charlotte** Expected May 2027  
B.S. in Sports Analytics • GPA 4.0 / 4.0 • Chancellor's List

**University of South Carolina — Darla Moore School of Business** 2015  
B.S. in Business Administration (Management & Marketing)

## TECHNICAL SKILLS

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**Languages:** Python, SQL, Java  
**Data & ML:** pandas, NumPy, scikit-learn, matplotlib, seaborn, nflverse  
**Tools:** Excel, Streamlit, Git/GitHub, Jupyter, VS Code

## ANALYTICS PROJECTS

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**Teamora — Student Team-Formation Web App** — Python, Streamlit, scikit-learn, scipy | [teamora.streamlit.app](https://teamora.streamlit.app) · [GitHub](#)

- Designed and deployed a live web app that helps instructors form balanced student project teams from a quick survey — generalizing a data-science capstone into a course-agnostic, usable product.
- Implemented four team-matching models (Hungarian assignment as the optimized default) with a six-metric quality evaluation balancing schedule compatibility, skill coverage, and skill diversity, plus per-team analytics that flag groups likely to struggle.
- Built end-to-end in Python and Streamlit with a modular architecture (preprocessing, models, evaluation); privacy-first in-memory processing and a student-ID→team CSV export that joins directly to a Canvas roster.

**Home-Field Advantage** — NFL Analytics | Python, pandas

- Analyzed multi-season NFL game data to quantify the impact of home-field advantage on game outcomes and scoring margins.

**Predicting the Madness** — NCAA Basketball | Python, scikit-learn

- Built and evaluated predictive models for NCAA tournament outcomes using historical team performance data.

## WORK EXPERIENCE

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**Business Owner / Managing Member** — Royal Rides LLC Feb 2021 - Jul 2025  
Charlotte, NC

- Analyzed fleet performance data in Excel to optimize maintenance scheduling, increasing operational efficiency by 20%.
- Built customer-feedback tracking to surface service trends, raising satisfaction to 95%.
- Conducted market and financial analysis to guide pricing strategy, driving 30% annual revenue growth.

**E-commerce Analyst (Self-Employed)** — Online Retail Sep 2019 - Jan 2021  
Charlotte, NC

- Analyzed customer-engagement metrics to optimize branding strategy and increase visibility by 40%.

- Monitored inventory and revenue trends to improve forecasting and purchasing decisions.
- Analyzed sales-performance data to identify high-performing products and refine pricing strategy.

**Event Services Manager** — Queen Park Social

Apr 2018 – Jul 2019

*Charlotte, NC*

- Evaluated performance metrics across 100+ events to improve booking efficiency and increase repeat clients by 20%.
- Managed budget data to identify cost savings, reducing expenses by 15% while maintaining service quality.
- Leveraged customer-satisfaction data to refine service protocols, achieving a 98% approval rating.

**Project Manager** — FirstService Residential Carolinas

Dec 2016 – Apr 2018

*Charlotte, NC*

- Maintained and audited 200+ client accounts to improve data accuracy and increase satisfaction by 15%.
- Partnered with finance teams to analyze year-end revenue across 90+ accounts, improving reporting accuracy by 10%.
- Applied onboarding and client-performance data to increase retention by 20%.

**Athletic Department Marketing Intern** — University of South Carolina

Aug 2014 – Jan 2015

*Columbia, SC*

- Supported marketing and promotional efforts for USC Athletics.

## **CERTIFICATIONS**

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- IBM Data Science — IBM (2025)
- IBM Applied Data Science — IBM (2025)