AUSTIN M. CICALE

amcicale01@gmail.com • (919) 428-6018 • Charlotte, NC • linkedin.com/in/austincicale

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY Remote
Master of Science in Analytics *Aug 2024 – May 2026*

UNIVERSITY OF NORTH CAROLOINA AT CHAPEL HILL Chapel Hill, NC
Bachelor of Science in Economics and Statistics & Analytics *Dec 2023*
GPA 3.86, Graduated *"with Highest Distinction",* Elected UNC Club Lacrosse Social Chair
Domain Coursework: Machine Learning, Data Science, Decision Analytics, Methods of Data Analysis, Optimization, Econometrics, Stochastic Modeling

EXPERIENCE

INSUREWOKFORCE – Benefits and insurance firm catering to companies with independent contractors Nashville, TN
Business Analyst Intern *May 2022 – Sep 2022*
- Discovered 50+ prospective partners through market analysis and job board searches.
- Utilized Microsoft Excel to validate and catalog logistics of company prospects.
- Developed logistic regression models in R to assess the likelihood of successful partnerships.
- Communicated findings to executives, providing guidance for prioritizing company outreach efforts.

EATS2SEATS – Profit-for-purpose LLC staffing sporting events and supporting non-profit fundraising Chapel Hill, NC
Operations Manager *Apr 2021 – Jan 2022*
- Supervised concession stand workers, directing task assignments and resolving any complications.
- Oversaw inventory, ensuring that credit sales matched inventory count to maximize efficiency.
- Informed inventory management when product supplies were too low to meet consumer demand.
- Acquired certification to manage alcohol sales, service, and consumption at public events.

THE SWEET MELISSA FUND – Non-profit providing financial assistance to lung transplant recipients Chapel Hill, NC
Fundraising Coordinator *Nov 2015 – Dec 2019*
- Surpassed $100k in donations, supporting 75+ donor recipients.
- Assembled a scholarship fund, covering costs of college tuition for 3 individuals.
- Coordinated a silent auction, soliciting product contributions from 100+ local businesses.
- Developed audiovisual presentations that were showcased at each annual fundraiser.

SELECTED PROJECTS

Predicting Individual Employment Status (R): Employed a range of machine learning techniques—logistic regression, LDA, QDA, classification trees, random forest, boosting, SVM, and KNN—to model individual employment status. Identified key predictors to inform job seekers, organizational recruitment strategies, and policy initiatives targeting unemployment and social equality.

Designing Predictive Models for NBA Game Outcomes (R, Excel): Web scraped historical NBA data, engineered new variables, and created predictive models using linear regression techniques, including lasso and feature subset selection. Forecasted Spread, Total, and OREB for upcoming NBA games, offering insights into game dynamics with potential applications for the sports betting market, aiding bettors in making informed decisions.

Analyzing and Visualizing Seattle Airbnb Listings (Tableau): Assembled a graphical dashboard in Tableau showcasing descriptive statistics of Seattle Airbnb listings, including property size, listing type, location, and seasonal price. Formulated valuable insights for property managers and renters by highlighting popular property types in Seattle and offering a comprehensive view of the market.

TECHNICAL CAPABILITIES

Technical Skills: Python, R, MySQL, Tableau, Advanced Excel (Vlookup, Pivot Tables, Solver), Stata
Statistics and Modeling: Data Manipulation and Visualization, Regression Analysis, Casual Inference, Model Validation, Machine Learning, L-1/L-2 Regularization, Classification and Predictive Modeling (Decision Trees, Random Forest, SVM, Boosting), Unsupervised Learning (PCA, K-means Clustering), Time-series Analysis

ADDITIONAL INFORMATION

Volunteered as a youth basketball coach for the past two years. Enjoy designing and making my own clothes. Passionate about cooking and exploring cultures through their diverse culinary traditions.