TYLER NOGA

515-468-9477 | tyler.noga@gmail.com | www.linkedin.com/in/tyler-noga

EDUCATION

THE UNIVERSITY OF IOWA Iowa City, IA
B.B.A., Business Analytics and Information Systems *May 2024*
Minor, Computer Science
- GPA: 3.8/4.0; Dean's list Fall 2020-Present

TECHNICAL SKILLS

- **Tools**: R, Python, SQL, Java, Power BI, Excel, Tableau, Orange, PySpark, HiveQL, HTML, Flask
- **Methodologies**: Skilled in multiple linear regression, time series analysis, forecasting, data visualization, web scraping, data modeling, big data, and agile frameworks

EXPERIENCE

QUALIFIED PLAN CONSULTANTS West Des Moines, IA
Data Analyst Intern *January 2023 – March 2023*
- Developed various dashboards using Power BI providing insights to Senior Managers and supporting better business decisions
- Cleaned and processed large data sets in Excel, CSV, and SQL using R and Python for further data analysis
- Performed detailed data analysis to identify trends, seasonality, location, and various other key metrics
- Supported Management and end users in the usage and interpretation of data and associated reports
- Remotely managed a small team of data interns using agile frameworks

PROJECTS

HAPSO AUTO Lodi, NJ
Hapso Automotive Capstone Project *January 2024 – Present*
- Gathered information with web scraping in R to compile records of popular car brands, models, and years for registration in New York City, Philadelphia, and New Jersey
- Cleaned and prepared a 12.2M row data set in Python/R by removing non-important features and enriching with missing data points
- Coded an API in R to convert VIN numbers to make, model, and year
- Created numerous graphics and reports in Tableau to convey technical findings to Senior Management

THE UNIVERSITY OF IOWA Iowa City, IA
Airbnb Analysis *August 2022 –January 2023*
- Conducted a comprehensive analysis of over 130,000 Airbnb listings to examine the impact of location, property features, and demographics on pricing
- Implemented data cleaning and merging techniques using R, integrating three distinct datasets to ensure accurate, data-driven results
- Utilized linear regression, boosting, and random forest models to determine significant predictors of Airbnb pricing, and identified pivotal correlations between amenities, review ratings, and regional demographics

Kansas City Chiefs Data Analysis *May 2022*
- Worked as a team with other students from the Tippie College of Business to extract NFL data such as passing yards, rushing yards, turnovers, etc. from foxsports.com in a CSV format and cleaned and prepared data in R for use in Excel
- Identified the significant predictors of a Chiefs football game at the significance level of $\alpha < .05$ utilizing multiple linear regression to create a parsimonies model for predicting score
- Utilized time series analysis and various forecasting methods such as exponential smoothing, naïve, moving averages, and historical averages to identify the forecasting method yielding the lowest MAE, MSE, and MAPE
- Pinpointed correlations between different variables and removed any variables with correlations >. 70 to reduce variable "overlap" from model