***EDUCATION***

**University of Oklahoma** | Expected Graduation of December 2024

Master of Science **- Management of Information Technology** (Core in Big Data)

Bachelor of Business Administration - **Management of Information Systems**

***HONORS AND REWARDS***

* Chesapeake Energy Endowed Scholarship
* MIS Division Scholarship Recipient
* Dr. George Henderson Scholar
* Presidents Honor Roll
* Deans List Honor Roll

***EXPERIENCES***

**Associate Technical Account Manager Intern**

Yardi Systems June – August 2024

* Supported the implementation and testing of software solutions for both commercial and residential properties, providing technical support and ensuring seamless integrations for end users including property managers and property owners.
* Gained hands-on experience with the Yardi software products, deepening my understanding of how property management solutions are developed and technical account manager practices.

**IT System Analyst Intern**

Koch Industries: Flint Hills Resources May – August 2023

* Enhanced machine learning accounting journal anomaly detection tool in AWS cloud by delivering UI/UX modifications and code refactoring. Reduced the number of false positive records being flagged and also added data ingestion timestamp at request of accounting directors.
* Created user tracking system by developing Splunk dashboard using HTML log data for change management and monitoring of the tool.
* Migrated over 500 crude oil daily pricing curves from a subscribed market database service to in-house database. Duplicated pricing curves and market subscriptions into NEO4J (Graph Database) using Postman (API) and created Cypher queries for specific business request to provide monitoring for executives.

***PROJECTS***

**Python Analysis of Mentions for Top NCAA CFB Playoff Contenders and Oklahoma Sentiment.**

*Analytics Programming (Python).**Gene Rainbolt Graduate School of Business. August - October 2024*

* Developed Python models to scrape comments from Reddit threads utilizing PRAW for API access, focusing on NCAA CFB polls to gauge fan sentiment and mentions related to the new 12-team playoff.
* Employed natural language processing techniques with NLTK to perform sentiment analysis on over 1,000 comments, providing insights into team popularity and perceptions. Also, developed model to count the mentions of top teams.
* Visualized findings in Tableau, showcasing top mentioned teams and sentiment over current Oklahoma season.

**Tableau Data Visualization: Analyzing Dependencies Between Spotify Audio Features and Popularity Scores.**

*Business Intelligence. Gene Rainbolt Graduate School of Business. August - October 2024*

* Developed interactive visualizations in Tableau to illustrate dependencies and insights related to determining what the “Perfect Song Formula” is, referencing Spotify’s Song popularity scores to the positive relationships found from song audio features.
* Developed a story to illustrate the relationships between certain song features and higher popularity scores, using interactive encoded visualizations to effectively inform the audience.
* Utilized Tableau Prep Builder for data preprocessing, ensuring a cleaned and structured dataset for effective analysis.
* Created parameters and calculated fields to perform statistical aggregations in Tableau to reveal hidden patterns.

***RELEVANT SKILLS***

Python, SQL, Tableau, R, Power BI, Data Science, C#, AWS (Data Storage, ETL Processing, Query Processing, Visualization), Mongo DB, HTML, CSS, JavaScript, Splunk/SPL, Neo4J/Cypher (Graph DB), Postman API, Data Analytics, Statistical Modeling