*EDUCATION*

University of Oklahoma| Expected Graduation of December 2024

Accelerated **BBA + MS - Management of Information Technology** (Core in Big Data)

**President's Honor Roll** |Dean's List Honor Roll **| 2023 MIS Division Scholarship Recipient** | Dr. Henderson Scholar

*EXPERIENCE & PROJECTS*

**IT Product 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. Task loop included gathering requirements from accounting directors, splitting specified work to software interns in Azure DevOps, conducting code reviews and approvals, hosting biweekly business updates meeting and hosting daily standups with team IT team.
* Developed Splunk dashboard using SPL 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.

**Project Data Lake: Analyzing Dallas Population Trends.**  
*Cloud Computing. Gene Rainbolt Graduate School of Business.* October - December 2023.

* Utilizing Amazon Web Services, this project conducted a comprehensive analysis of 20 years of Dallas population data, aiming to identify trends and compare patterns to the DFW metroplex.
  + Data Storage: Leveraged AWS S3 buckets to securely store extensive population datasets.
  + ETL Processes: Used AWS Glue for efficient Extract, Transform, Load (ETL) operations, ensuring data

readiness for analysis.

* + Query Processing: Employed AWS Athena for executing queries and creating a structured view from the crawled table.
  + Visualization: Utilized AWS QuickSight to create visualizations for enhanced data interpretation.

**Analyzing Attributes Correlating to Life Expectancy in Developing and Developed Countries**.  
*Analytics Programming(R). Gene Rainbolt Graduate School of Business. October - December 2023.*

* Our team conducted an analysis of the World Health Organization's Life Expectancy dataset to identify factors influencing life expectancy variations in both developed and developing nations.
* Formulated and tested four hypotheses utilizing statistical techniques, including linear regression and measures of central tendency.
* Employed R for data preprocessing/cleaning, exploratory data analysis, and model development, ensuring robustness and accuracy in statistical inferences.

**Factors Determining Higher Risks Leading to Cardiac Arrests.**  
*Data Science and Analytics. Gene Rainbolt Graduate School of Business.* January – March 2024.

* Utilizing data science and analytics techniques, my team will investigate factors contributing to elevated risks of cardiac arrests using the stroke prediction dataset from Kaggle.
* Employing analytical methods such as decision trees, regression, association rule mining, and clustering, we aim to identify patterns and correlations within the dataset using tools such as Anaconda (Python) and Weka.
* Through collaborative teamwork, we will apply our learnings to analyze the data effectively, aiming to enhance our understanding of data science principles and develop our team working skills throughout the project.

*INDUSTRY SKILLS*

C# (MVC, .Net), R, Python/Anaconda, SQL, AWS (Data Storage, ETL Processing, Query Processing, Visualization), HTML, CSS, JavaScript, Splunk/SPL, Power BI, Neo4J/Cypher (Graph DB), Postman API, Statistical Modeling, Microsoft SQL Server/Database creation