Ralph A. Stout

Ralph.stout14@icloud.com | (571) 991-1291 | LinkedIn: ralphstout | GitHub: CodeByRalph

EDUCATION

Angelo State University   **San Angelo, TX**
M.S. in Computer Science   *Expected Graduation, Dec 2024*
- o **Concentrations:** Data Science and Machine Learning
- o **Related Coursework:** Data Science, Machine Learning, Artificial Intelligence, Deep Learning, Statistics

South Texas College   **McAllen, TX**
B.A.T in Computer Information Technology   *Graduated, Dec 2023*
- o **Concentrations:** Software Development and information systems/security
- o **Related Coursework:** Data Structures and Algorithms, Software security, Web development, Database management, System Design, Networking

EXPERIENCE

Barrios   **Corpus Christi, TX**
Team Member   *Mar 2024 – May 2024*
- Leveraged supervised learning techniques, including K-nearest Neighbors (KNN) regression, to predict consumables usage with remarkable accuracy, achieving a mean squared error (MSE) of 0 and an R-squared score (R2) of 1 on test data.
- Applied unsupervised learning methodologies such as K-means clustering and hierarchical clustering to uncover hidden patterns in unlabeled data, providing valuable insights into consumables usage patterns and optimizing inventory management strategies.
- Demonstrated strong data analysis and visualization skills by effectively communicating results through visual representations such as scatter plots and dendrograms, facilitating data-driven decision-making for future consumption predictions and resource planning.

https://github.com/CodeByRalph/ISS_Consumable_Usage

Panda Express   **Corpus Christi, TX**
Cook / Shift Lead   *Aug 2023 – Current*
- Oversees daily operation, ensures service and food quality, implements health and safety standards, monitor inventory and ordering supplies. Handles customers concerns and feedback, and Mentor new employees.

PROJECTS

UCKG   **Corpus Christi, TX**
Researcher   *May 2024 - Current*
- Investigating UCKG's potential integration within intelligent cyber operations framework to enhance data analysis, threat detection, and response strategies.
- Exploring how UCKG methodologies can be adapted to optimize cyber threat intelligence gathering, leveraging its principles for real-time risk assessment and mitigation.
- Assessing the feasibility of incorporating UCKG principles into automated decision-making processes within cyber defense systems, aiming to enhance adaptability and resilience against evolving threats.

Stock Predictor   **Corpus Christi, TX**
Sole Developer   *Feb 2024*
- Trained mathematical models to predict stock price trends using Naive Bayes, Neural Networks, and Linear Regression Time Series algorithms.
- Scripted the predictive stock price model and obtained a prediction accuracy of 90.07%.

https://github.com/CodeByRalph/Stock_Prediction

SKILLS

Programming: Python, JavaScript, HTML/CSS, SQL, MongoDB, Node.js, React.js, C++
Tools: Jupyter Notebooks, Git, AWS, REST API