JOSHUA BREWINGTON

Joshbrew31@gmail.com | 703-473-1058 | JoshuaBrew (github.com) | Joshua Brewington | LinkedIn

Education

James Madison University: Harrisonburg, VA   **Graduated May 2024**

Bachelors of Science - Major in Integrated Science and Technology

Concentrated in Data Science and Biotechnology

Work Experience

Junior Data Analyst Contractor   **August 2024 - Present**

Claxton Logistics / United States Naval Community College

- Supported Enlisted members in the Navy, Marine, and Coast guard obtain associate level degrees related to their fields.
- Assisted in Establishing and optimizing data structure for the United States Naval Community College, ensuring data integrity and alignment with organizational goals.
- Collaborated with Admissions and Communications teams to design and implement a comprehensive Application Funnel, enhancing student engagement and application data flow.
- Developed and maintained dynamic dashboards using tools like CRMA and salesforce to track and report on KPIs, improving decision-making processes for leadership.
- Conducted regular data quality checks and validation procedures, ensuring high data accuracy and consistency across multiple systems and platforms.
- Supported the creation of automated reporting processes, reducing manual efforts and increasing efficiency in tracking key metrics and performance indicators.
- Utilized SQL and Excel to clean, aggregate, and analyze large datasets, identifying trends, patterns, and actionable insights to inform strategic decisions.
- Ensure compliance with data privacy Regulations and maintain a public trust clearance for all data-related activities and reports.

Skills

Programming Languages
- Python, HTML, SQL, JavaScript

Data Analytics & Visualization
- Power BI, Tableau, Salesforce, Data Analysis, Machine Learning, Data Modeling, Data Reporting

Database Management & Design
- PostgreSQL, MongoDB, AWS, Database Design & Optimization, Cloud Databases
- Data Quality Assurance, Data Validation, Reporting Automation

Full-Stack Web Development
- Front-End: HTML, JavaScript
- Back-End: Python, SQL

Awards and Certifications

- **Python Bootcamp**
- **SQL Bootcamp**
- **Full Stack Web Development Bootcamp** *In Progress*

JOSHUA BREWINGTON

Joshbrew31@gmail.com | 703-473-1058 | JoshuaBrew (github.com) | Joshua Brewington | LinkedIn

Projects

- Improved a facial recognition model by implementing CategoricalFocalCrossentropy to address class imbalance, using NumPy to reduce dataset size for faster processing and storing it in Google Cloud for optimized performance.
- Utilized AWS and MongoDB to mine data using APIs, extracting Twitter data from specific locations and times (time-series datasets) to analyze and model behaviors, as part of a data mining and knowledge discovery project.
- Compiled and analyzed NBA statistics, performing both descriptive and inferential analysis through linear regression to uncover insights and correlations in player and team performance.
- Developed a responsive front-end web application using HTML, CSS, and Bootstrap, focusing on creating intuitive and visually appealing user interfaces.