Ahmir Postell

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Portfolio: https://ahmirpostell.com

Summary

Master of Science in Business Analytics (MSBA) student with a B.S. in Computer Science and Data Science, proficient in data analysis and manipulation using Python and R, specializing in statistical analysis and natural language processing techniques. Skilled in working with both relational and non-relational databases, including SQL and NoSQL, with additional familiarity in web development using React.js. Strong problem-solving abilities and effective communication skills, eager to leverage expertise to make a meaningful impact and gain valuable experience.

Education

William and Mary — Expected Feb. 2026
Masters of Science, Business Analytics — *Williamsburg, Virginia*

William and Mary — Sep. 2020 - May 2024
Bachelor of Science, Computer Science & Data Science — *Williamsburg, Virginia*

Relevant Coursework:

* Algorithms
* Operating Systems
* Software Development
* Statistical Data Analysis
* Applied Machine Learning
* Data Visualization
* Databases
* Natural Language Processing
* Applied Data Analytics in R

Technical Skills

- Python
- Pandas
- Matplotlib
- Scikit-learn
- R
- dplyr
- ggplot2
- Web Scraping
- SQL
- NoSQL
- Spacy
- NLTK
- NetworkX
- PyVis
- Java
- JavaScript
- Typescript
- HTML
- CSS
- React
- Microsoft Office
- C++
- Swift
- Xcode
- Figma

Projects

WM Gymnastics Performance Visualization | *Python, R, PostgreSQL, Tableau, Streamlit*
- Extraction and Visualization of William and Mary's D1 Men's Gymnastics team's scores from 2020 to 2024 of both team and individual scale using data from William and Mary's official website.
- Designed PostgreSQL database and prepared extracted data using Python.
- Team performance visualized with Tableau and displayed through Streamlit.
- Rendered 35 individual performance reports using R/Rmarkdown with dplyr manipulations and ggplot visualizations.

Public Image Website | *React*
- Worked with the Omega Alpha Chapter of the Delta Phi Fraternity to develop a website for them to use for their social media presence.
- Designed UI web application using React.
- Collaborated with organization to develop and publish web application.
- Implemented contact page using EmailJS framework.

The Witcher Exploratory Analysis | *Python, Spacy, NetworkX, PyVis*
- Conducted relationship analysis between character of 2nd book in The Witcher series, The Sword of Destiny.
- Web scraped book transcript using Python's Selenium library.
- Utilized Spacy to extract character relationships from textual data.
- Visualized relationships and character popularity using NetworkX and Pyvis.

AskHuberman NLP Analysis | *Python, Spacy, NLTK*
- Analysed overall performance, interaction patterns, and sentiment analysis on neuroscientist Dr. Andrew Huberman's YouTube channel, AskHuberman.
- Extracted interaction data using Selenium and YouTube API.
- Conducted topic analysis using NLTK and Spacy.
- Created 11 publication-ready visualizations using MatPlotLib, NetworkX, and PyVis.

Data Engineering for Movie Director Analysis | *Python, Selenium*
- Prepared, updated, and maintained IMDB data of popular directors for analysis of director-crew relationships and their correlation with gender and ethnicity.
- Implemented fault-tolerant extraction function to ensure reliable data retrieval and processing.
- Organized crew member data by movie, compiled demographic information for directors, and created individual JSONL files.
- Collaborated with a team to identify errors in scraped content, enhance formatting, and uphold data quality standards.

Fast Food Nutrition Exploratory Analysis | *R, dplyr, tidyverse, rvest, ggplot2*
- Explored and compared nutrition offered through fast food near the William and Mary college campus.
- Scraped nutrition content for items offered at 12 popular Fast Food restaurant chains using rvest.
- Calculated relevant summary statistics to aide in analysis using the dplyr package in R and visualized analysis using ggplot2.

Additional Achievements

- Competed as an NCAA Division I Collegiate Gymnast from 2020 to 2022.