

Ahmir Postell

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Portfolio: <https://ahmirpostell.com>

Summary

Master of Science in Business Analytics (MSBA) student with a Bachelor's in Computer Science and Data Science. Proficient in data manipulation and analysis using Python and R, with a solid grasp of machine learning techniques. Experienced in working with SQL and NoSQL databases, and skilled in web development with React.js. Strong problem-solving abilities and effective communication skills, eager to leverage expertise to drive impactful results and gain valuable experience.

Education & Certificates

Google Advanced Data Analytics by Google on Coursera

Certificate earned at August 31, 2024

William and Mary

Masters of Science, Business Analytics

Expected Feb. 2026

Williamsburg, Virginia

William and Mary

Bachelor of Science, Double Major - Computer Science & Data Science

Sep. 2020 - May 2024

Williamsburg, Virginia

Relevant Coursework:

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

Technical Skills

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

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.
- 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, JavaScript, Vercel

- Developed a website for a university fraternity chapter to enhance 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

- Managed and analyzed IMDB data on directors to explore correlations 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.