

# 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 and Angular. Strong problem-solving abilities and effective communication skills, eager to leverage expertise to drive impactful results and gain valuable experience.

## Technical Skills

Programming Languages & Frameworks	Libraries & Techniques	Databases
<ul style="list-style-type: none"><li>Python</li><li>R</li><li>Java</li><li>JavaScript, typescript</li><li>HTML + CSS</li><li>React</li><li>Angular</li></ul>	<ul style="list-style-type: none"><li>Tableau</li><li>Pandas, Matplotlib, Scikit-learn</li><li>dplyr, ggplot2</li><li>Web Scraping</li><li>NLP Techniques</li><li>PyVis</li></ul>	<ul style="list-style-type: none"><li>SQL</li><li>Azure SQL Server</li><li>NoSQL</li></ul>
		Other Skills
		<ul style="list-style-type: none"><li>Microsoft Office</li></ul>

## Education & Certificates

<b>Google Advanced Data Analytics</b> by Google on Coursera	Certificate earned August 31, 2024
<b>William and Mary</b> <i>Masters of Science, Business Analytics</i> Relevant Coursework: <ul style="list-style-type: none"><li>* Probability and Statistics with R</li><li>* Business Modeling with Python</li></ul>	Expected Feb. 2026 Williamsburg, Virginia
<b>William and Mary</b> <i>Bachelor of Science, Double Major - Computer Science &amp; Data Science</i> Relevant Coursework: <ul style="list-style-type: none"><li>* Algorithms</li><li>* Operating Systems</li><li>* Software Development</li><li>* Statistical Data Analysis</li><li>* Applied Machine Learning</li><li>* Data Visualization</li></ul>	Sep. 2020 - May 2024 Williamsburg, Virginia
	<ul style="list-style-type: none"><li>* Databases</li><li>* Natural Language Processing</li><li>* Applied Data Analytics in R</li></ul>

## Projects

- Note Taking + Storage Website** | *React, JavaScript, HTML, CSS, Azure SQL Server*
- Created markdown note-taking site with SQL server backend.
  - Designed and developed SQL database on Azure SQL Server.
  - Implemented frontend API calls and real-time markdown rendering in React.
  - Developed hierarchical organization with search filtering.
- WM Gymnastics Performance Visualization** | *Python, R, PostgreSQL, Tableau, Streamlit*
- Visualized William and Mary's D1 Men's Gymnastics scores (2020-2024).
  - Designed PostgreSQL database and prepared data using Python.
  - Displayed team performance using Tableau and Streamlit.
  - Created 35 individual performance reports with R/Rmarkdown.
- AskHuberman NLP Analysis** | *Python, Spacy, NLTK*
- Analyzed performance, interaction patterns, and sentiment on Dr. Andrew Huberman's YouTube channel.
  - Used YouTube API for web scraping and data retrieval.
  - Conducted NLP topic analysis and created 11 publication-ready visualizations.
- Fast Food Nutrition Exploratory Analysis** | *R, dplyr, tidyverse, rvest, ggplot2*
- Compared nutrition of fast food near William and Mary campus.
  - Scraped nutrition data from 12 popular fast food chains.
  - Calculated summary statistics for analysis and visualizations.
- Data Engineering for Movie Director Analysis** | *Python, Selenium*
- Analyzed IMDB data to identify gender and ethnicity patterns among directors.
  - Developed fault-tolerant data extraction for reliable retrieval and processing.
  - Standardized data into JSONL files for streamlined analysis.
  - Enhanced data quality by identifying and correcting errors in scraped content.

## Additional Achievements

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