

DEVIN WEBB

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EDUCATION

University of Maryland , College of Information Science	May 2025
Bachelor of Science, Major in Information Science specializing in Data Analysis	
Minor: Geographic Information Science (GIS), Department of Geographical Sciences	

WORK EXPERIENCE

Sunwater Institute	North Bethesda, MD
<i>Data Analyst Intern</i>	Jun 2024-August 2024
<ul style="list-style-type: none">Created and connected federal agency data, denormalized the database, and migrated it to Redshift, establishing a robust and scalable infrastructureDesigned and implemented a system for dynamic filtering and visualization of legislative data by chamber, committee, and sponsor, reducing data retrieval time by 30%Developed an advanced system for real-time tracking and analysis of competitor-lobbied legislation, enabling more informed and strategic decision-making for lobbyistsBuilt a dynamic filtering system that refined data accuracy by 35%, allowing lobbyists to target their efforts more effectively and maintain a competitive edge	
University of Maryland, iSchool	College Park, MD
<i>Undergraduate Teaching Assistant</i>	Jan 2024-May 2024
<ul style="list-style-type: none">Facilitated an introductory Python course, INST126, enhancing coding skills for 70+ studentsIntegrated hands-on coding exercises, elevating students' practical coding experience and application of theoretical knowledgeElevated student confidence and mastery over Python through personalized feedback and support during office hoursHelped teach students python fundamentals and introductory data analysis using pandas	
Fager's Island Ltd.	Ocean City, MD
<i>Server</i>	Apr 2021-Aug 2024
<ul style="list-style-type: none">Utilized effective conflict resolution, communication, and problem-solving techniques, serving thousands of patronsLed comprehensive training sessions for approximately 10 employees, ensuring adherence to service standardsAdapted swiftly to a fast-paced environment, maintaining a high level of service quality	

PROJECTS

Homes4Hope Psychiatric Health Care Data Analysis

- Analyzed patient demographics and treatment outcomes, leading to a 15% improvement in clinic efficiency and an increase in patient retention
- Created data visualizations in Tableau and Python that enabled data-driven decisions and trend identification
- Streamlined data collection and reporting processes, reducing errors by 10% and enhancing business insights

Spatial Analysis of Healthcare Spending in Maryland

- Analyzed billions in healthcare spending across Maryland census tracts using ESRI data, identifying disparities in medical expenditures
- Detected significant clustering in spending patterns with Moran's I = 0.222 (Z-score = 41.9, P-value <0.00001), highlighting regional inequalities
- Pinpointed underfunded regions where healthcare spending was up to 10-20% below the state average, informing targeted resource allocation

ACTIVITIES

Collegiate Financial Management Association , <i>Content Committee Member</i>	Sep 2023-Present
<ul style="list-style-type: none">Implements improvements to enhance user experience and optimize website's performance and engagementExecutes dynamic social media strategies on Instagram, LinkedIn, and YouTube, resulting in enhanced event turnout	

SKILLS

Programming Languages: Python, SQL, R, SAS, Minitab, JavaScript, HTML, CSS

Data Analysis & Cloud Technologies: AWS, Azure, Docker, ArcGIS, PowerBI, Google Analytics, Qualtrics, Tableau

Other Technical Skills: MS Office, Visio, SharePoint, Slack, Atlassian Suite, Adobe Creative Cloud