

Senior Business Intelligence Analyst

Dedicated analyst and business professional with experience delivering actionable reports and data-driven insights in both the healthcare and commercial real estate industry. As a Senior Data Analyst, supports C-suite and cross-functional initiatives at RenViva, Arkansas Heart Hospital, and Cushman & Wakefield.

Core Competencies

- Web-Scraping
- Process Automation
- Full Stack Development
- Report Development
- Data Collection & Interpretation
- Machine Learning
- Public Speaking
- Template Design
- Insights and Analytics

"Garrison helped develop the Business Analytics Department for our fast-growing startup company. He performed exceptional work, exceeding my expectations. He is self-motivated, highly intelligent, and a pleasure to work with. Unique to an early careerist, he can think outside the box and identify issues. He combines an analytical mind with the ability to communicate effectively, including delivering client presentations." — Rehan Shah, MD; Chief Executive Officer, RenViva

Education

GEORGIA INSTITUTE OF TECHNOLOGY | Atlanta, GA

Expected May 2024

M.S., Master of Science in Analytics

- **Overall GPA:** 3.7; earned while working as a Senior Business Intelligence Analyst at Cushman & Wakefield.
- **Track Taken:** Computational Data Analytics focusing on Full Stack competencies and AI development.
- **Capstone Project (TBD):** Generated a bid prediction model to determine win probability for the Cushman & Wakefield V&A department.

HENDRIX COLLEGE | Conway, AR

May 2021

B.A., Economics & Business; Minor, Data Analytics

- **Overall GPA:** 3.5; earned while working as a Data Analyst and participating in extracurricular activities.
- **Memberships:** Computer Science & Business Economics clubs.
- **Analytics Project (A+):** Researched real-world CMS data and merged data frames to conduct trend analyses.

Technology & Language Proficiencies

Alteryx | Tableau | Power Automate | Python | SQL | PowerBI | WordPress | D3.js | MQuery | DAX | JavaScript | GitHub

Professional Analytics Experience

Cushman & Wakefield | *Top 3 CRE Firms Globally* | Atlanta, GA

04/2022 – Present

Senior Business Intelligence Analyst (04/2023 – Present) | **Business Intelligence Analyst** (04/2022 – 04/2023)

Leadership

- Manager of two Business Intelligence Analysts
- Main source for code reviews before placing into production for all companywide projects.
- Led successful creation and implementation of MLOPS and DEVOPS for the Asset Services BI department.

Machine Learning Creation and Process Automation

- Developed web scraping automations which created continuous insight into current Deals on the Market. The data used for the automation allowed for favorable transparency into the competitive markets at a glance.
- Time-series model implementation to forecast future movement for Construction Management invoicing. The model helped Asset Services meet realistic AOP goals when looking to reforecast on an annual basis.

- Led successful implementation of address matching for Asset Service and Capital Market properties. With matching complete, was able to automate EIB imports, uncovering 4 million in the Annual Operating Plan.
- Created a bid prediction model for CW's V&A department, enhancing decision-making by assessing win probabilities in a competitive bidding scenario.
- Developed a Row-Level Security model through active directory integration which allowed applicable report security only company wide.

Data Interpretation & Visualization

- Primary resource for all matters dealing with PowerBI implementation regarding refresh rates, development, and security protocols.
- When developing all reports, the guidelines to follow for implementation were through the DEVOPS guidelines. These guidelines helped boost efficiency and user satisfaction which kept iteration management to a minimum.

Arkansas Heart Hospital | Top 5 cardiology provider | Little Rock, AR

09/2021 – 04/2022

Healthcare Data Analyst II (09/2021 – Present)

Leadership

- Tasked to lead four major projects for the Insights Department ranging from daily automation to long term financial impact on the hospital via constant collaboration with fellow peers.
- Main source for code reviews before placing into production for the four major projects.
- Primary resource for all matters dealing with Tableau implementation.

Analytics & Report Development

- Created novel cost report from CMS data, including key financial metrics and capacity analysis for 5K+ hospitals across the country. This was done using HCRIS files and a self-made key.
- Merged alphanumeric and numeric content from separate databases, cleaned raw data, and presented final report to stakeholder per task via Tableau or Ripplestone. Reports provided actionable insights to conduct daily business operations.
- Utilized SQL and Python via Pandas installment packages for database management. Automated processes to provide efficient access to data for future analysts.

Data Interpretation & Visualization

- Developed a web scraping program for all patients in the hospital's database to determine if they were in a medically underserved area (MUA) through the HRSA search engine.
- Created an interactive map for the marketing department to show connections between referring providers and patients referred to Arkansas Heart Hospital. This map escalated importance all the way to the Founder and CEO.
- Gathered contact information for all state-wide Medical Professionals in the cardiology field through a self-made web scraping process.

Cross-Functional Collaboration & IT Support

- Partnered with IT department to upgrade Tableau's server to the latest version by creating a comprehensive guide for damage control scenarios.
- Refined provider scorecards through personalized emails based on the individual's stats. Original process gave the ability for other providers to view colleagues' data on an internal portal.

Additional Projects/Certifications

Certification: IBM Data Science Professional Certificate

Website Development Engagements: Created content and optimized websites for *Providence Kidney & Hypertension Specialists* (Ohio-based medical practice) and *NephroTel* (telemedicine company partnering with healthcare facilities to deliver renal care services in underserved locations).

- Researched nephrology-related content and utilized WordPress to design websites aligned with patient and business needs, while using best practices for SEO.