

William Higginbotham

Data Analyst | Software Engineer

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Profile

Passionate about leveraging data to enhance customer experiences, drive business growth, and solve complex challenges. Experienced in Python, SQL, R, and Tableau, with a strong foundation in user analysis, business optimization, and integrated marketing solutions. Adept at integrating data-driven strategies to achieve measurable growth.

Education

Data Analytics Certificate, *Rice University Bootcamp*
01/2024 – 07/2024

BS in Business Administration, *University of Colorado*
08/2019 – 12/2023
GPA: 3.6

Projects

Power BI Automation Tool (Work related)

Developed a Power BI tool for Blue Cross's enrollment department, automating workflows using SQL, DAX, and ETL processes, which reduced manual errors by 5% and improved processing efficiency over 6 months.

Python Data Visualization Dashboard 📄

Developed a dashboard using Python's Dash framework to visualize trends and analyze datasets dynamically. Features included real-time data updates, category-specific graphs, annotations, and data export capabilities.

Professional Experience

Data Analyst, *FirstSource*

06/2021 – present

- Designed and implemented a Power BI tool that automated enrollment processes, reducing manual errors and saving 1.5 hours per week per processor.
- Utilized Python and R for data automation and statistical analysis, optimizing reporting efficiency.
- Developed and maintained SQL-based reporting using SSRS to enhance cross-departmental analytics and track key business KPIs.
- Streamlined database queries to improve organizational reporting accuracy and decision-making.

Systems Development Intern,

Brooks Tower Condo Management

02/2020 – 12/2020 | Denver

- Supported ERP system implementation (SAP), including configuration, data migration, and testing.
- Acted as a liaison between internal teams and vendors, ensuring clear communication and alignment.
- Developed custom reports, dashboards, and automated workflows to enhance system efficiency.
- Assisted in user training, documentation, and troubleshooting to ensure smooth adoption.

Skills

Languages:

SQL, Python, R, JavaScript, HTML5, CSS, Java (basic)

Technologies:

Databricks, Google Analytics, ETL Processes, Machine Learning (Scikit-learn, TensorFlow, PyTorch), AWS (Lambda, S3, Redshift), Salesforce, Power BI, Tableau, Looker, JIRA, Confluence, PostgreSQL, MongoDB, Flask, React, TailwindCSS, Docker, Git, SSRS