

# JAMES GAVIN BRUMFIELD

336-848-6889 | [jgbrumfi@ncsu.edu](mailto:jgbrumfi@ncsu.edu) | [GitHub](#) | [LinkedIn](#)

## PROFESSIONAL SUMMARY

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Inquisitive mind with a background in healthcare, fueled by a passion for uncovering patterns and making data-driven decisions. Leverages a diagnostic mindset and analytical rigor to navigate complex challenges, delivering actionable insights that enhance outcomes and drive strategic initiatives.

Skilled in the following areas:

**Programming:** R, Python, SQL

**Software:** PostgreSQL, DataGrip, Tableau, PowerBI, Postman API

## EDUCATION

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**Master of Science in Analytics:** Institute for Advanced Analytics, NC State University | Raleigh, NC    April 2025

**Bachelor of Science in Business Administration:** NC State University | Raleigh, NC    December 2023

## PRACTICUM

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Artemis Health | Communication Lead

September 2024—Current

- Performing data engineering on a billion-row dataset in PostgreSQL, employing SQL optimizations, indexing, and partitioning for faster queries and efficient data handling.
- Developing an ensemble of anomaly detection and unsupervised learning algorithms to identify, categorize, and score data quality issues within third-party vendor datasets.
- Creating comprehensive data quality dashboards in Python, providing real-time, actionable interventions based on root-cause analysis to assist the client's data operations team in improving data quality.
- Collaborating with stakeholders to define the scope of work including key quality indicators, aligning the project with broader data governance objectives and existing company infrastructure.

## WORK EXPERIENCE

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Syneos Health | Application Security Intern | Morrisville, NC

December 2022—January 2024

- Enhanced CI/CD pipeline efficiency by integrating code-scanning tools and providing guidance to development leads on tool implementation to proactively identify and mitigate security vulnerabilities early in the development process.
- Improved decision-making and security practices by communicating code scan results to stakeholders and development teams, facilitating timely, data-driven actions to address critical findings and reduce potential risks.
- Strengthened legal and privacy standards by implementing a 'Shift left' approach within the Software Development Lifecycle, ensuring compliance with national and international regulations and minimizing compliance-related risks across projects.

Syneos Health | Solution Architect Intern | Morrisville, NC

May 2022—December 2022

- Increased data accuracy and visibility of project progress by developing and managing PowerBI dashboards with automated data pipelines, providing the Enterprise Architecture team and upper management with real-time metrics on data transfer from the existing Change Management Database to LeanIX.
- Enhanced productivity and efficiency of the Architecture Review Board by creating key performance indicator dashboards with automated data pipelines, enabling Syneos Health to track performance and effectively identify areas for process improvement.