**Nathanael Johnson**

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**EDUCATION**

**Lipscomb University** Nashville, TN

Bachelor of Science Graduated: December 2022

Major**:** Data Science

**Middle Tennessee State University** Murfreesboro, TN

Master of Science Expected Graduation: May 2025

Major**:** Data Science

**WORK EXPERIENCE**

**Amplion, Clinical Communications, Inc.**  Nashville TN

Business Intelligence Intern October 2022 – March 2023

* Identified and documented use cases in respective areas and showed users how to get the most value for their data
* Used various BI tools including Power BI and Tableau to generate four reports from data cleaned using ETL approach organized nursing data from different locations for each report
* Provided additional information on potential benefits of using Amplion’s product to measure operational and/or financial performance of their business, resulting in data being presented to various stakeholders
* Created data visualization dashboards using JavaScript, HTML and Plotly.js

**Public Entity Saba** Netherlands Antilles

IT Intern June – August 2022

* Developed web pages and IOS application using Xcode, assisted end-users and non-technical staff, monitored technical support requests, and completed tasks as assigned by supervisors
* Researched various methods to build websites and develop software for the business

**Saba Health Department Intern** Netherlands Antilles

June – August 2020

**PROGRAMMING LANGUAGES, SOFTWARE SKILLS, CERTIFICATION & ACADEMIC PROJECTS**

* Python, SQL, R, HTML
* Microsoft Office Suite, Salesforce CRM, Tableau, Power BI, Figma, Github, Visual Studio, Xcode
* Statistical Analysis Software (SAS) Base Certification

**Project 1: COVID Data Analysis and Prediction using Python**

* Leveraged Python for analyzing COVID-19 data, employing K-Nearest Neighbors (KNN) and K-Means techniques to predict outcomes and uncover patterns.
* Conducted data cleaning, preparation, and model training to identify individuals at risk.
* Demonstrated Python's practical application in managing real-world datasets and deriving actionable insights.

**Project 2: Bird Data Analysis and Relationship Exploration with Python**

* Gathered and processed bird mortality data from diverse sources, employing Python for sorting, cleaning, and data scraping.
* Utilized Python to unveil correlations between different factors and bird deaths, showcasing its data transformation capabilities.

**Project 3: Exploring Internet Usage Trends using Tableau and R**

* Utilized Tableau and R to process and visualize expansive internet usage datasets.
* Transformed complex data into intuitive visualizations, shedding light on evolving user behavior patterns over time.

**Project 4: Database Conversion and Query Project for Student Information**

* Led the conversion of student data from Excel spreadsheets to a well-defined relational database, using SQL.
* Designed a comprehensive database schema, integrated advanced features, and scripted data population.
* Implemented data integrity measures and created standard SQL queries for generating insightful reports.

**VOLUNTEER & EXTRACURRICULAR EXPERIENCE**

**Sigma Alpha Fraternity**, Historian and Member, Lipscomb University 2019 – 2022 **Student Activity Center,** Front Desk Worker, Lipscomb University January 2020 – December 2021