

# Brian R. Honea

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## Professional Summary

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Recent masters degree augmenting my experience through building models with Python, maintaining and building databases in SQL, and handling big data with the Hadoop ecosystem. Transitioning from a healthcare focus to a new found love for handling large data!

## Education

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Master of Science, Business Analytics and Artificial Intelligence, *The University of Texas at Dallas* 2024

Bachelor of Science, Psychology, *The University of Texas at Dallas* 2022

## Professional Experience

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*Data Engineer Consultant*, St. Clair Database Solutions LLC Dec. 2024 – Present

- Managed and constructed a test environment for files and scripts before sending them to production.
- Improved usability of 20 PowerShell scripts by 30% by transcribing them to Python with Azure Data Factory
- Improved efficiency of data pipelines 80% by using Azure Data Factory to schedule and perform aggregations.
- Improved Data Management by writing scripts to store API calls to Azure SQL Database for easy data retrieval.

*Front Office Manager and Technician*; Therapy Partners of North Texas Sept. 2020 – Present

- Managed approximately 50-60 patients during therapeutic activities and equipment use.
- Cleaned 3,000 records in the patient database of non-active patient cases reducing clutter by 30%.

## Projects

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*Big Data Analysis*; Big Data Analysis Course Dec. 2024

- Completed three projects utilizing Hadoop and Big Data tools to pull data from an API using Python.
- Utilized Python and APIs to schedule and pull daily stock data.
- Processed data through a flume log and stored into Hadoop file system.
- Utilized Apache Hive and Spark to query and organize the raw data into a database schema for analysis.

*Airbnb Market Analysis*; Programming for Data Science Course Aug. 2024

- Cleaned and filtered an Airbnb dataset with 330,000 records to focus on the Dallas-Fort Worth metroplex.
- Highlighted the best performing neighborhoods, cities, and suburbs using Matplotlib packages.
- Utilized machine learning and linear regression models to predict promising zip codes for property investment.

*Carbon Emissions Analysis*, SQL; Database Foundations Course May 2024

- Constructed a database schema design for automotive car emissions using a public dataset
- Developed complex queries, stored procedures, triggers, and functions to analyze the data and share results.
- Lead a team of 4 members in meetings and documented findings in the report and the team project presentation.

## Skills

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Technical: Python (Intermediate), SQL (Intermediate), R (Intermediate), Databricks

Big Data: Microsoft Azure, AWS, Google Cloud Platform, Hadoop Ecosystem (Intermediate)

Software: VS Code (Intermediate), Git (Intermediate), MySQL (intermediate), Postman

## Synergistic Activities

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*Practice Player*, Dallas Legion (formerly Dallas Roughnecks) professional Ultimate Frisbee Association

*Head Coach*, University of Texas at Dallas Men's Ultimate Frisbee team