**Jason R. Michaud**

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**EDUCATION**

Bryant University, Smithfield, RI May 2023

Bachelor of Science in Data Science

GPA 3.92

* + - **Honors Program**
    - Bryant University MyPath Mentor

**EXPERIENCE**

**Academic Center for Excellence, Bryant University** 2020—Present

*Information Systems and Analytics Peer Tutor*

* + - Assist students with Python and Excel work through examples and open-ended questions.
    - Promote independent work and understanding of material.

**Lees Market- Westport, Massachusetts** 2020—Present

*Deli Worker*

* + - Providing optimal customer service for both orders in store and orders over the phone.
    - Building an understanding of how to manage difficult situations in service.
    - Working as part of a team with others and ensuring that jobs are getting done efficiently and properly.

**Travelers BI&A LDP Internship- Hartford, Connecticut** June 2022—Present

*Claim Technology Data Engineer: Fast and Curious Team*

* + - Responsible for upgrading ETL Pipeline and how records are passed through
    - Changing data flow to iterate row by row when updating to Teradata
    - Teradata SQL and Talend utilized

**ACADEMIC PROJECTS**

**Python Machine Learning Project** Spring 2021

* + - Performed extensive preprocessing on real world insurance data involving both data exploration and data wrangling.
    - Utilized various machine learning models from the Scikit Learn library on the dataset. Models included Decision Trees, Logistic Regressions, and Neural Networks.
    - Tuned the parameters of each model to optimize performance and prevent overfitting.
    - Accuracy was validated by examining the recall value and area under the curve.

**Python Data Visualization Project** Fall 2020

* + - Imported a dataset about Boston crime into a Jupyter Notebook and used various libraries to create visualizations.
    - Used Pandas and Datetime libraries to prepare and clean the data before any visualizations were created.
    - Utilized Plotly Express and Folium libraries to create insightful and effective visualizations. This includes an interactive heatmap that shows hotspots of crime throughout a year.

**Chapter Publication**  Summer-Fall 2021

*Biomedical and Business Applications Using Artificial Neural Networks and Machine Learning*

*Ch. 13: Value Analysis and Prediction Through Machine Learning Techniques for Popular Basketball Brands*

* + - Published in January 2021 through IGI Global (ISBN13: 9781799884552)
    - Data included Google Ngrams frequencies, Yahoo Finance stock prices, and general NBA data.
    - Analysis was performed in Jupyter Notebooks and Excel for both visualization and modeling purposes.
    - Models were evaluated on how well the stock price of popular basketball brands could be predicted.
    - Linear Regressions and Multi-Layer Perceptron Classifier models were run for this project using the Scikit Learn library.

**SKILLS**

* + - Software: Intermediate experience in Excel, Python, Tableau, MySQL, MongoDB, Databricks, Gephi, Neo4j, Teradata SQL, and Talend.