DANTE MILLER

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EDUCATION

Rice University, Houston, TX, Doctorates in Computer Science (2022 - 2027) [Anticipated]

- Cumulative GPA: 4.0/4.0
- Relevant Coursework: Bioinformatics: Sequence Analysis, Computational Genomics for Microbial Forensics, Introduction to Computer Vision, Iot Programming and Data Analysis, Natural Language Processing [Audit].

University of Minnesota – Morris, Morris, MN, Bachelor of Arts in Computer Science and Statistics (2019 - 2022) [Graduated]

- Cumulative GPA: 3.4/4.0
- Relevant Coursework: Introduction to Digital Media Computation, Introduction to Statistics, Data Analysis, Introduction to Data Science, Intermediate Data Science, Calculus 1, Calculus 2, Software Design and Development, Introduction to Time Series Analysis, Algorithms and Computability, Data Structures, Systems: Data Mining, Linear Algebra, Game Development and Design and Multivariate Statistical Analysis.

TECHNICAL SKILLS

- Languages: Jython, Python, R, Java, JavaScript, HTML, CSS, C#, Bash, C (Exposed to), C++ (Exposed to), SQL and Typescript.
- Frameworks: PyTorch, Keras, TensorFlow, Django, React, Angular, PySpark and Node.js.
- Databases: SQL, Django and MongoDB.
- Collaboration Tools: GitHub, Git Kraken and Slack.

INDUSTRY AND ACADEMIC EXPERIENCES

Research Intern, **Repperger Research Intern Program**, **Air Force Research Laboratory** (Summer 2022)

- Constructed arguments (pros and cons) from text data based on propositions provided through natural language by a user. The text data was obtained by web scraping several medical resources and utilizing a database API for open access research papers. Constructed rules from aggregated time series data containing patient information about which disease phenotype they have and their hospital visit vitals.

Undergraduate Researcher, **McNair Scholars Program** and **Undergraduate Research Opportunities Program**, **University of Minnesota – Morris** (Summer 2021)

- Created an interactive research environment for understanding COVID-19 disparities within social and economic groups throughout the United States during the current pandemic. Utilized the interactive research environment to better understand how different social and economic groups throughout the United States have been affected by the current pandemic.

Undergraduate Researcher, **Louis Strokes Alliance for Minority Participation**, **University of Minnesota – Morris** (Summer 2021)

- Applied univariate and multivariate machine learning methods such as recurrent neural network, deep learning network, Holt's exponential smoothing, autoregressive integrated moving average, ForecastX, and long short-term memory network to time series-based cryptocurrency data to determine if univariate and multivariate methods can accurately forecast price log returns accurately.

Undergraduate Researcher, **Morris Student Administrative Fellowship**, **University of Minnesota – Morris** (Fall 2021 – Spring 2022)

- Analyzed data from prospective and current students at the University of Minnesota - Morris to determine which events and inquiry sources are most likely to result in student enrollment. Also looked at which support and engagement programs have the greatest impact on student achievement and retention. Afterwards, we found more data to determine if there was a relationship between ACTs and high school GPAs with retention.