JOHANN ANTISSERIL

Computer Science Major | Statistics Minor

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EXPERIENCE

Software Engineer Intern — State Farm — (May 2022 - Present)

- Part of the Data modeling and monitoring team focused on designing the UI.
- Created user application using React.js allowing users to interact directly with backend.
- Utilized AWS Lambda functions in Python to help execute jobs, thus increasing user functionality.
- Participated in daily Scrums and collaborated extensively with team members.
- Presented to a department wide audience given the user functionality of the application.
- Currently working on deploying the code to Test.

PERSONAL PROJECTS

Twitter-Sentiment (https://shorturl.at/eIX07)

- Used Tweepy to access Twitter's API to collect tweets and stored them as a CSV file.
- Cleaned, tokenized, stemmed, and lemmatized tweets for Machine Learning models.
- Used Natural Language Toolkit (NLTK) and Sentiment Polarity for data analysis.
- Utilized Linear SVC, Bernoulli Naive Bayes, and Linear Regression models to analyze which model best fits the data.

DC Metro Navigator (https://bit.ly/2Tt3SPZ)

- Utilized the DC Metro System's API to collect information about stations.
- Provided users with lines, transfer station details, and total travel time along with fares based on peak/off-peak hours.
- For scalability, accounted for future additions of stations.

Predicting US Movie Revenue (https://bit.ly/3FBFMEC)

- Extracted dataset from Kaggle, cleaned and performed exploratory analysis by inspecting each variable.
- Manipulated data to help with analysis using methods that standardized data and ran Machine Learning models like K-Nearest Neighbors, Decision Tree, and Random Forest to identify which best fits the data.
- Used a Confusion Matrix in addition to the accuracy score to help determine the performance of each model.

EDUCATION

B.S. in Computer Science, University of Maryland, College Park, MD (Aug 2019-May 2023)

Overall GPA: 3.74 (Departmental Honors Program)

Dean's List: Fall 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021, Spring 2022

Current relevant coursework:

- Introduction to NLP
- Introduction to Artificial Intelligence

Past CS coursework:

- Object-Oriented Programming, I & II
- Discrete Structures
- Algorithms
- Introduction to Machine Learning
- Introduction to Computer Systems
- Organization of Programming Languages
- Computer Vision
- Introduction to Data Science

PROGRAMMING SKILLS

- Python
- Java
- C
- OOP
- Ruby
- Linux
- OCaml
- MySQL