

JOHANN ANTISSEIL

Computer Science Major | Statistics Minor

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EXPERIENCE

Software Engineer Intern @ State Farm (August 2022 - Present)

Application Developer Intern @ State Farm (May 2022 - August 2022)

Part of the Technology-Simulation, Implementation, and Monitoring team focused on designing the UI.

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.
- Calculated 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.
- 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 Natural Language Processing
- Introduction to Artificial Intelligence

Past CS coursework:

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

PROGRAMMING SKILLS

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

SOFT SKILLS

- Team player
- Grit
- Critical Thinking
- Adaptability
- Time Management