

COREY VORSANGER

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github.com/cvorsanger

PROFESSIONAL SUMMARY

Masters of Science in Data Science student. Passionate about making applications that leverage machine learning to analyze data.

EDUCATION

University of Denver, Denver, CO

M.S. - Data Science (GPA 4.00 / 4)

- Expected Graduation Date; Spring '22
- Notable Completed coursework; Software Engineering in Python, Advanced Stats, Database Organization/Management, Algorithms
- Current coursework; Data Science Tools I, Data Mining

Arizona State University, Tempe, AZ

M.S. - Aerospace Engineering

Arizona State University, Tempe, AZ

B.S. - Aerospace Engineering

- *Cum Laude*
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PROJECTS

Analytics of Airports and the effects of COVID-19

- Created a Command Line Interface tool to look at the number of aircraft operations sorted by individual airport, state, or FAA region. Additionally, looked at the effects of COVID-19 on airports grouped by type.
- Pulled data from FAA website, cleaned data, and created visualizations
- <https://github.com/cvorsanger/COMP-3006-Project>

Movie Genre Predictions with a Naive Bayes Classifier

- Used R to create a Naive Bayes Classifier that predicts movies genres from plot summaries
 - Transformed plots into a Bag of Words and achieved 85% accuracy.
 - <https://github.com/cvorsanger/NB-Movies>
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SKILLS

- **Languages:** Python, MatLab, R
 - **Machine Learning:** Sci-kit learn, Xgboost, Scipy, Tensorflow
 - **Data Science:** Pandas, Numpy, Seaborn, Matplotlib, Bokeh, Statsmodels, Jupyter Notebooks
 - **Professional:** teamwork, communication, desire to learn and grow
 - **Misc.:** Linux, Git, LaTeX, SQL, MongoDB, MS Office, G Suite
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EXPERIENCE

University of Denver, Denver, CO

7/21 – current

Math Tutor

Tutored students in the MS in Data Science program in Calculus and Linear Algebra.

- Ensured positive outcomes for students in these early math classes

Falcon Field Airport, Mesa, AZ

7/18 – 4/21

OPERATIONS / ADMINISTRATIVE ASSISTANT / PROGRAMS ASSISTANT

Coordinated operations activities, business development, and tenant relations for onsite businesses and tenants at this general aviation airport with 750+ based aircraft and a FAA air traffic control tower.

- Coordinated with airport management and other city officials in the collection and analysis of airport Key Performance Indicator data
 - Cut down on collection time by automating spreadsheets
 - Created data visualizations to help airport management make data driven decisions