

# CORY KJAR

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## EDUCATION

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### Southeast Missouri State University

Bachelor of Science

Major in Computer Information Systems; Minor in Computer Science

Cumulative GPA: 3.72/4.0

Dean's List: Fall 2019 - Fall 2020, Spring 2022; President's List: Fall 2022

Cape Girardeau, MO

Expected Graduation Date: Dec 2023

Relevant Coursework:

Data Analytics; Data Mining; Databases; Computer Science I, II, III; Project Management; Software Engineering; Web Development; Information Systems; Discrete Structures

## PROJECTS

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### Deep Learning Oil Spill Detection

December 2022

- Worked collaboratively to design, implement, and train a neural network to classify data derived from satellite imagery of ocean patches potentially containing oil spills
- Performed several evaluation techniques to ensure model accuracy of 98%
- Explained methodology and results in a formal report
- Learned about developing neural networks, layer selection, and evaluating changes to a model

### UFO Sightings Analysis

October 2022

- Web scraped an online UFO sighting database gathering over 120,000 reports
- Extensively cleaned raw data to prepare for analysis
- Displayed knowledge of multiple key Python libraries through cleaning, plotting, and filtering data
- Created informative visualizations to present findings
- Uncovered trends in reports including a curious correlation between July 4<sup>th</sup> and a large increase sightings

## ACTIVITIES

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### Data Science Club

Cape Girardeau, MO

Founder & President

- Founded, registered, and launched a data science club at Southeast Missouri State University
- Drafted and received approval of a constitution stating the goals and guidelines of the club
- Planned agendas, made presentations, and ran biweekly meetings of the group exploring topics such as data analysis, machine learning, and more
- Ran an introductory data science bootcamp covering Python and data science libraries, data cleaning and visualization, exploratory data analysis, and basic machine learning

### Phi Delta Theta Fraternity

Cape Girardeau, MO

Member

- Worked as a team to carry out philanthropic fundraising events, raising over \$13,000 in an academic year for LiveLikeLou, a charity that focuses on funding ALS research and supporting those affected
- Performed a variety of volunteer work to serve the community including assisting the build of a children's museum, annual highway cleanups, multiple food and clothing drives, and more

## TECHNICAL SKILLS

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Python (Pandas, Numpy, Matplotlib, Seaborn, ScikitLearn, TensorFlow), SQL, Data Cleaning/Preprocessing, Descriptive & Predictive Analysis, Regression, Classification, Microsoft Office Suite (Word, Excel, Access)