STRENGTHS

Evidence based analysis
A capstone dataset became a clear model comparison through documented checks, validation results, and honest limits.

Reproducible project work
Research scripts and environment notes helped another student repeat analysis without relying on hidden local settings.

Clear technical communication
Faculty reviewers received concise explanations of methods, failures, and next steps, with questions answered directly.

Cross tool learning
Comparing SAS and Python outputs showed a practical habit of checking results across different analytical workflows.

Collaborative software practice
Peer coding sessions and course reviews turned unfamiliar Java tools into shared progress and clearer implementation decisions.

SKILLS

Statistics | Python | Machine learning | Data science | Data analytics | Computer vision | NLP | Text mining | Tableau | Time series analysis | Data visualization | Java | JavaScript | C++ | Technical communication

Elijah Nunez

Entry Level Data Scientist, Analyst, Engineer

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SUMMARY

Computer Science student building practical evidence across data science, **machine learning**, software programming, and computer vision. Academic work applies Python, SAS, statistics, Tableau, NLP, text mining, **time series analysis**, and data visualization to structured and unstructured datasets. Capstone research included a 60,000 record dataset, reproducible notebooks, model comparison, forecasting, evaluation, and clear presentation of limitations. Software coursework added Java, JavaScript, C++, Spring Boot, microservices, Docker, Jenkins, and REST API development within a documented **software development life cycle**. Research experience strengthened reproducibility, technical writing, verbal communication, and careful interpretation of results. Current studies support entry level technical work where curiosity, **self directed learning**, and practical experimentation can contribute to thoughtful analysis and dependable software delivery.

EDUCATION

Bachelor's Degree in Computer Science

Missouri State University GPA: 4.0 2027 Springfield, MO

Coursework: *Statistics, machine learning, computer vision, software development, data visualization*

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript, C++
- **Statistical Analysis:** Statistics, SAS, descriptive analysis
- **Machine Learning:** Model evaluation, supervised learning, feature preparation
- **Data Visualization:** Tableau, trend visualization, model output views
- **Natural Language Processing:** NLP, text mining, document classification
- **Time Series Analysis:** Forecasting, temporal subsets, held out periods
- **Computer Vision:** Image classification, training splits, validation splits
- **Java Development:** Core Java, Spring Boot, REST API
- **Service Architecture:** Microservices, interfaces, request response design
- **DevOps Tools:** Docker, Jenkins, build automation
- **Software Development:** Software development life cycle, testing, source control
- **Data Engineering:** Data preprocessing, reproducible notebooks, analytical datasets

EXPERIENCE

Data Science and Machine Learning Capstone Student, Capstone Project

Academic Research January 2026 - September 2026 Springfield, MO

Completed supervised capstone research using a mixed dataset, combining statistical analysis, machine learning, NLP, forecasting, visualization, documentation, and presentation for faculty review.

LANGUAGES

English — Native

Spanish — Proficient

MY CAREER

- Data Science and Machine Learning Capstone Student, Capstone Project at Academic Research (8 Months)
- Computer Vision Research Student, University Research Lab at University Research Lab (3 Months)
- Software and Data Engineering Student, Course Project at University Course Program (4 Months)

- Defined prediction goals and preprocessing steps for a 60,000 record dataset using **Python** notebooks.
- Compared **machine learning** models through validation results, error review, and documented selection criteria.
- Tested time series assumptions against held out periods and presented forecast uncertainty with trend findings.
- Evaluated **NLP** and **text mining** experiments, recording representative classification failures for faculty discussion.
- Built **Tableau** views connecting statistical findings with model outputs for a 16 person audience.
- Maintained source control, testing artifacts, and project notes consistent with **software development life cycle** practices.

Computer Vision Research Student, University Research Lab

University Research Lab | September 2025 - December 2025 | Springfield, MO

Supported supervised computer vision research through Python prototyping, SAS comparison, statistical review, visualization, reproducibility, and faculty communication.

- Built a Python **computer vision** prototype with documented training and validation splits for image analysis.
- Reviewed class balance and misclassified images to identify data quality and model behavior issues.
- Compared descriptive results in **SAS** and Python, confirming core calculations across separate analytical workflows.
- Prepared visualizations and a research memo covering methods, evidence, limitations, and next experiments.
- Organized scripts and environment notes so another student could reproduce analysis without undocumented settings.
- Presented research findings to faculty and answered questions about scope, limitations, and future hypotheses.

Software and Data Engineering Student, Course Project

University Course Program | January 2025 - May 2025 | Springfield, MO

Developed supervised software and data **engineering** coursework spanning Java services, APIs, containers, build automation, testing, and presentation.

- Developed a **Java** application exposing a **REST API** for a small analytical dataset.
- Implemented **Spring Boot** services with microservice style components and documented interface behavior.
- Containerized application components with Docker and configured Jenkins build and test steps.
- Added **JavaScript** results views and completed C++ exercises covering data structures and debugging.
- Followed **software development life cycle** stages from requirements through design, testing, and demonstration.
- Delivered setup instructions, API examples, test evidence, and presentation materials for course reviewers.

PROJECTS

Predictive Analytics and Forecasting Study | 2026

Created a reproducible Python study combining statistical checks, model evaluation, time series forecasting, and Tableau communication for a mixed academic dataset.

Text Classification and Vision Lab | 2025

Explored NLP, text mining, and computer vision through labeled academic data, documented errors, and presented findings with clear evidence and limitations.

LEADERSHIP & AWARDS

- Dean's List, Missouri State University, 2025 and 2026
- Undergraduate Research Presentation Recognition, 2026
- Computer Science Academic Scholarship, 2025

CERTIFICATIONS

- IBM SkillsBuild Artificial Intelligence Fundamentals 2026
- Coursera Machine Learning Specialization 2026
- Docker Foundations Learning Course 2026

PROFESSIONAL AFFILIATIONS

- Computer Science Student Association, Peer Coding Session Volunteer, 2025 to 2026
- Undergraduate Research Forum, Student Presenter, 2026
- Campus Data Challenge, Team Participant, 2025

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST