

# Gage M. Weaver

Gage\_Weaver@ku.edu | (316) 833-2733 | LinkedIn: Gage-Weaver | GitHub: Gage-Weaver | Portfolio: gage-weaver.com

## EDUCATION

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### University of Kansas

Lawrence, Kansas

B.S. in Computer Engineering

Aug 2022 – Current

- **GPA/Awards:** 3.76 GPA, Honor Roll Spring 2023 - Spring 2024, Garmin Excellence Scholar
- **Work:** Supplemental Instructor for EECS 202 (Circuits 1) Fall 2024 semester
- **Software Courses:** Programming 1 & 2, Software Engineering, Programming Paradigms, Embedded Systems
- **Computer/Electrical Courses:** Circuits 1&2, Electromagnetics, Electronic Circuits, Digital Logic Design
- **Math Courses:** Differential Equations, Linear Algebra, Calculus 1-3, Physics 1, Discrete Structures
- **Course Projects:** Active filter design and implementation (Circuits 2), Nim Game MinMax Algorithm (Discrete)

## EXPERIENCE

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### Adams Brown

Wichita, Kansas

Information Technology & Data Analytics Intern

Jun 2024 – Aug 2024

- Conducted data analytics utilizing SQL, Power BI, and DAX to derive and communicate key insights.
- Developed a key data analytics project focused on company financials for an internal team, leading to being the first intern in the firm's history to be nominated for an AB1 award.
- Developed and deployed software projects focused on automating the onboarding process. Tools used included powershell, html, css, and Excel.

### Tutor.com

Remote, Kansas

Mathematics Tutor

Oct 2023 – Current

- Utilized problem-solving techniques to identify and address student knowledge gaps through meaningful questions.
- Recipient of Distinguished Tutor award for excelling in promoting student understanding of topics.

## PROJECTS (See Portfolio Website For Project Demos)

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### PocketDJ

HACK KU 2024

Developer

Python, Javascript, Flask, API's

- Collaboratively developed PocketDJ, a web app and Adobe Express extension leveraging the HuggingFace API for sentiment analysis. Detected user mood through camera input or file upload and recommended Spotify songs based on emotion, with a preview function powered by the Spotify API.
- Technologies: Python, Javascript, Flask, HTML, CSS, Spotify API, HuggingFace API, Streamlit
- Awards: Most Creative Adobe Express Add-On

### NBA MVP Prediction Program

Personal Project

Developer

Python, Web-Scraping, Machine Learning

- Developed a machine learning program in Python to predict NBA MVP winners. The model analyzes data from previous NBA seasons and their respective MVP voting share. Then breaks down this data and makes predictions using Ridge Regression and Random Forest Regression.
- Random Forest Regression model correctly predicted the 2024 NBA MVP Nikola Jokić
- Technologies: Python, Pandas, Scikit-Learn, BeautifulSoup, Machine Learning, Web-Scraping, Regression

## ACTIVITIES AND LEADERSHIP

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### University of Kansas esports

Lawrence, Kansas

Team Captain

Jan 2023 – Current

- Captain for the University of Kansas Rocket League team yellow for spring 2023. Scheduled scrimmages and optimized practice to best fit team availability. Alternate for team red fall 2023 - current

## SKILLS

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**Software:** Python, Javascript, HTML/CSS, Flask, SQL, REST API's, Power BI, Data Analytics, Powershell, DAX

**Computer Engineering:** Circuit Analysis, PSPICE, Logic Design, VHDL, EAGLE PCB Design, MATLAB, Embedded Systems