

# 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

August 2022 – Current

- **GPA/Awards:** 3.76 GPA, Spring & Fall 2023 Honor Roll, Garmin Excellence Scholar
- **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 in accordance with specific frequency response requirements (Circuits 2)
  - Project Manager & Developer for term-long Agile project, coordinating group efforts through agile processes (SWE 1)

## EXPERIENCE

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### Adams Brown

Wichita, Kansas

Information Technology & Data Analytics Intern

June 2024 – August 2024

- Developed a key data analytics project utilizing DAX, Power BI, and SQL focused on company financials for an internal team, leading to being the first intern in the firm's history to be nominated for an Adams Brown One award.
- Designed and Implemented a key project focused on automating the onboarding process. The Powershell automation resulted in completely eliminating the need for manual email signature creation.

### University of Kansas

Lawrence, Kansas

EECS Supplemental Instructor

September 2024 – Current

- Facilitated regular supplemental instruction sessions for EECS 202 (Circuits 1) enhancing students' understanding through hands-on problem solving techniques.

## 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

January 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, Agile

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