Gage M. Weaver

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EDUCATION

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
- **Software Courses**: Programming 1 & 2, Software Engineering, Programming Paradigms, Embedded Systems
- **Hardware/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

University of Kansas — **Lawrence, Kansas**
Circuits 1 Grader — *Aug 2024 - Dec 2024*

- Responsible for accurately and quickly grading student assignments while upholding academic integrity.

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 and deployed software projects focused on automating the onboarding process.
- Utilized multiple technologies such as SQL, HTML, Powershell, DAX, Power BI, and Excel to effectively solve problems.

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)

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.
- Technologies: Python, Pandas, Scikit-Learn, BeautifulSoup, Machine Learning, Web-Scraping, Regression

ACTIVITIES AND LEADERSHIP

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.
- Substitute for University of Kansas Rocket League team red from the Fall of 2023 to the present. Assisted team in practices and scrimmages to further player skills and assist in growing the team environment.

SKILLS

Software: Python, Javascript, HTML/CSS, Flask, SQL, Data Structures & Algorithms, Power BI, Data Analytics, Powershell, DAX
Computer Engineering: Circuit Analysis, PSPICE, Logic Design, VHDL, EAGLE PCB Design, MATLAB, Embedded Systems