Ethan Wheat

✉ ethanwheat@ku.edu 🔗 ethanwheat.xyz ⬛ github.com/ethanwheat 📞 (620) 778-9338

Education

University of Kansas   **Lawrence, KS**

B.S. Computer Science (4.0 GPA)   *Expected Graduation Date: May 2025*

- **Relevant Coursework:** Digital Logic and Design, Programming I and II, Embedded Systems, Discrete Structures, Data Structures and Algorithms, Programming Language Paradigms, Software Engineering I
- **In-Progress:** Cyber Defense, Intro to Operating Systems, Intro to Machine Learning, Intro to Theory of Computing

Experience

WellSky - Cybersecurity Intern   **Overland Park, KS**

Internship   *Summer 2023*

- Developed HTTP verb and header scanning scripts for company URLs and generated Sisense reports
- Automated scan runs with Google Cloud and Apache Airflow, and stored the results in a PostgreSQL database
- Conducted penetration testing in non-production environments and communicated identified vulnerabilities to teams
- Revamped legacy Python scripts and improved runtime efficiency by 200% through multithreading
- Monitored and tagged company assets and infrastructure using Axonius to improve business unit recognition

Magman's Gym - Software Development   **Parsons, KS**

Freelance   *Summer 2022*

- Created software for a gym in my hometown that allows membership information to be managed
- Created GUI using Python and Tkinter library with Figma for UI design
- Membership data stored in a cloud hosted MySQL database
- Tracks expiration dates and allows memberships to be renewed, cancelled, or updated
- Additional functions for managing groups (family and company memberships)

Walmart - OPD Associate   **Parsons, KS**

Retail Job   *May 2020 - May 2023*

- Fulfill online orders and dispense them to customers
- Provide customer service in-person and over the phone
- Work as a team to reach goals within the required time

Personal Projects

Grub Gambler - Chrome Extension   **September 2023**

- Built a browser extension with JavaScript and HTML/CSS that selects random restaurants with optional filters
- Created an API endpoint using Express and Node.js, enabling calls to the Yelp Fusion API
- Deployed API within a VLAN on a local server by leveraging Proxmox and NGINX reverse proxy

AR Resume - Android App   **September 2022**

- Developed an Android AR app that displays an image when the designed logo is detected by the phone's camera
- Built application using Unity and C#
- Virtually displays my resume or my social media details, depending on the recognized size and shape of my logo and its border

HackKU 2022 - Quiz Website   **April 2022**

- Created a website that allows users to choose an EECS major or take a quiz to find one that best suits them
- Allowed users to enter their phone number and receive more information via SMS
- Built website using Python and Flask as the backend and formatted the frontend with HTML and CSS
- Used Twilio API to send automated text messages to users

Technical Skills

Languages: Python (proficient), SQL, C/C#/C++, HTML/CSS, JavaScript, Haskell
Developer Tools: Git/GitHub, Docker, GCP, PGAdmin, Apache, Unity, Figma, Neovim/PyCharm/Visual Studio Code
Frameworks: Flask, Django, Node.js, Express, Airflow
Libraries: Tkinter, pandas, scikit-learn, scipy, numpy, axios