

ETHAN WHEAT

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Education

University of Kansas

Lawrence, KS

B.S. Computer Science (4.0 GPA)

Expected Graduation Date: May 2025

- **Relevant Coursework:** Programming I and II, Embedded Systems, Discrete Structures, Data Structures and Algorithms, Programming Language Paradigms, Software Engineering I, Cyber Defense, Operating Systems, Machine Learning, Theory of Computing, Database Systems, Computer Architecture, Communication Networks

Experience

Choe Global Markets - Software Engineer Intern

Lenexa, KS

Internship

Summer 2024

- Worked on the Data Pipeline Engineering Team
- Developed and scheduled Python and SQL reporting scripts for internal and external data transfers
- Built a program to display effectiveness metrics for 269 billing programs across 10 environments
- Designed complex queries to aggregate data from multiple databases and environments
- Configured ETL jobs to stream data into Amazon Snowflake, utilizing cloud-based data warehousing

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

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