Ethan Clark *(he/him)*

Louisville, KY ● (502) 994 9261 ● esclar04@louisville.edu ● github.com/Maykr1 ● https://ethansclark.com

OBJECTIVE

Seeking a Computer Science internship for Summer 2025 (May 5 - August 15, 2025) to apply my skills in Software Engineering and contribute to innovative technology solutions.

EDUCATION

Bachelor of Arts, Computer Science — Expected August 2026
J.B. Speed School of Engineering, University of Louisville, Louisville, Kentucky — **GPA 3.38/4.0**
Hours Completed: 78

SKILLS/COURSEWORK

Technical Skills/Relevant Coursework

- Python Programming w/ Certification
- C, C++ Programming w/ Certification
- Java Programming w/ Certification
- Data Structures & Algorithms
- HTML5 w/Certification & CSS3 w/ Certification
- Robotics
- 3D Modeling (Fusion 360) & 3D Printing
- mySQL, PostgreSQL & Databases
- Git/GitHub

APPLIED EXPERIENCE

University Led Projects:

C/C++: Developed a simple C-based game inspired by *The Oregon Trail*

- Incorporated options for the user to select a path to walk and created a dice-event function to generate random events.
- Designed various user interfaces for the main menu, traveling events, monster battles, and the storyline.

Python: Developed a password generation and evaluation web application

- Utilized **Django** to create a user-friendly interface designed with HTML, Bootstrap, and SASS.
- Developed a SQLite database containing a curated list of commonly used passwords.
- Enabled password generation based on a set of pre-determined criteria and rated user passwords against both the criteria and the database of commonly used passwords.
- Led the development of the web application utilizing the waterfall methodology.

Personal Projects:

SQL: Developed a mock grocery store database to manage inventory and sales using **PostgreSQL**

- Designed multiple tables to keep track of products, employees, customers, and transactions.
- Indexed frequently queried columns (e.g., products.name) for improved query performance.
- Created triggers to automatically log inventory adjustments when sales or deliveries were made.

Python: Constructed a robot arm with custom 3D printed parts, MG996r Servo motors, a Raspberry Pi Zero 2 W, and a PCA9685. Wrote the code in Python with the pygame and Adafruit_pca9685 modules to link it with an Xbox controller.

AREAS OF INTEREST

Data Analytics & Data Science
Artificial Intelligence & Machine Learning
Backend Development
Software Development
Enterprise Development
Automation & Scripting

WORK EXPERIENCE

Kroger — May 2022 - Present
Produce Associate — Louisville, KY

- Supported management across 13 departments when needed.
- Maintained optimal standards in the produce department, ensuring product freshness
- Collaborated with and sometimes led a team to maintain department during peak periods.

ACTIVITIES/HONORS

Member, Codecademy, Nov 2023 – present
Member, Leetcode, Aug 2024 – present
Member, Disability Inclusive Design Project – GE Appliances, Sep 2022 – Dec 2022
Member, Students with Futures in Technology (SWiFT) – GE Appliances, Mar 2022

- One of only four students in my entire high school to be accepted in the program.

Member, VEX Robotics Club, Aug 2018 – May 2022

- Led a team through several years in VEX Robotics Competitions.