**Ethan Clark** *(he/him)*

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**OBJECTIVE** First Computer Science internship May 5 – August 15, 2025

**EDUCATION** **Bachelor of Arts, Computer Science** Expected August 2026

J.B. Speed School of Engineering, University of Louisville, Louisville, Kentucky **GPA 3.22/4.0**

Hours Completed: 63

**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 & Databases

⦁ Git/GitHub

**APPLIED EXPERIENCE University Led Projects:**

**C/C++:** Developed a simple duplicate of “The Oregon Trail” using **C programming.**

* 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 simple bank account manager

* Created a user interface using tkinter, PIL, and alexit.
* Adapted the program to allow user interaction with the bank account through several methods including withdrawing, depositing, and transferring money.
* Collaborated with a team of five to create the best possible scenarios for bank account management.

**Personal Projects:**

**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.

**C++:** Built a motorized helmet using Arduino and SG90 servo motors. The helmet opens its face plate with the click of a button.

**WORK EXPERIENCE** **Kroger** May 2022 - Present

*Produce Associate* Louisville, KY

* Ensured optimal standards in the produce department.
  + - * Collaborated and lead a team to maintain department during high demand and peak periods.
      * Supported management across various departments when needed.
      * Worked in a total of 13 departments.

**YMCA**  Jul 2020 – Nov 2021

*Lifeguard* Louisville, KY

* + - * Collaborated with a team to maintain pool safety.
      * Monitored pool chemical levels to ensure safety compliance.

# ACTIVITIES/HONORS Dean’s List, University of Louisville, Dec 2023

# 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 the team through several years in VEX Robotics Competitions.