UNIVERSITY OF LOUISVILLE
J.B. SPEED SCHOOL OF ENGINEERING

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OBJECTIVE

First Computer Science Internship — May 5 – August 15, 2025

EDUCATION

Bachelor of Arts, Computer Science — Expected May 2026
J.B. Speed School of Engineering, University of Louisville, Louisville, Kentucky — **GPA 3.221/4.0**
Hours Completed: 56

SKILLS/COURSEWORK

Technical Skills/Relevant Coursework

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

APPLIED EXPERIENCE

Course Projects:

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

- Built using several libraries and methods that were not referenced in class, including time.h and text formatting.
- Integrated options for user to select a path to walk and created a dice-event function to generate random events.
- Incorporated the use of several different user interfaces including a menu option and monster battles.

Python: Developed a simple bank account manager

- Used several different modules that were not used in class, including tkinter, PTL, and atexit.
- Each class incorporates several methods that allow interaction from a user to their bank account.
- Collaborated with several classmates to determine which methods were necessary for an interactive bank account.

Independent Projects:

Python: Developing several robot arms for personal use. The first robot will use a Raspberry Pi Zero 2 W, a PCA9685, MG996r motors, and some 3D printed parts. Other versions will include the use of cameras, artificial intelligence, and other modules.

C++: Created a Gray Fox 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 Clerk — Louisville, KY

- Made sure our produce department is up to par with customer and health guideline expectations.
- Worked with a team to maintain department during high demand and peak periods.
- Have worked in multiple departments whenever management needed help.
- Have worked in a total of 13 of the 15 departments at Kroger.

YMCA — Jul 2020 – Nov 2021
Lifeguard — Louisville, KY

- Worked with a team to ensure that pools were safe.
- Regularly checked whether the pool chemical levels were safe.

ACTIVITIES/HONORS

Dean's List, University of Louisville, Dec 2023
Member, Codecademy, Nov 2023 – 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 accepted in the program.

Team Leader & Member: Robotics Club, Aug 2018 – May 2022
Hobbies: programming, gaming, creating robots, 3D Modeling, 3D Printing