

# ELNOEL D. AKWA

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## EDUCATION

University of Kentucky, Lexington, KY

Expected Graduation Fall 2023

### Bachelor of Science in Computer Engineering

- Lewis Honors College, Cyber-Security Certification Program, National Society of Black Engineers
- \$23,000/year in scholarship awards based on academic merit and community engagement.

Bluegrass Community and Technical College, Lexington, KY

January 2020 – May 2021

### Associate in Science in Computer Science

- Elected Campus Representative, Student Repetitive at College Board of Regents, and Student Ambassador
- Cumulative GPA: 3.72

## SKILLS AND CERTIFICATION

Skills: Python, C++/C, HTML/CSS, WordPress, Git, JavaScript, Linux, R, ARM32

Certification: Codepath Intermediate Software Engineering

## EXPERIENCE AND WORK HISTORY

### Systems Intern, Kentucky Mutual Insurance, Lexington, KY

August 2022- Present

- Work fluidly within multidisciplinary, cross-functional teams to complete projects on time.
- Build, maintain and improve the knowledge database for all company applications and inventory
- Teamed up with the cyber team to help identify and resolve potential network breaches within the organization

### IT Specialist, University of Kentucky, Lexington, KY

October 2021- August 2022

- Helped implement a new inventory system to keep track of the company's assets, resulting in a better budget allocation and an increase in the department's efficiency and productivity.
- Served as a technical analyst and primary customer liaison for resolving difficult customer problems.

### Web Developer (Contract), Engage Support Service, Lexington, KY

July 2021- Present

- Developed a responsive website using the WordPress content management system
- Configured Search Engine Optimization tools resulting in a 30% increase in the company's online presence

## ACTIVITIES AND LEADERSHIP

### Mentor and Part-time Instructor, Box-2-Box (501c Nonprofit Organization), Lexington, KY

September 2022- Present

- Working with immigrant scholars aged between 9 and 18 years old, helping them adapt to their new environment, and equipping them with the necessary tools to achieve academic and professional success.

### Undergraduate Senator At-Large, Student Government Association

February 2022- Present

- Help coordinate and allocate over \$200,000 in funding for student organizations and individual student affairs
- Represent the undergraduate student community, made up of over 22,000 students during, senate meetings

### International Student Ambassador

August 2021- Present

- Serve as a liaison between the college and potential scholars currently studying overseas
- Facilitated discussions with prospective international students on topics such as adjusting to the US culture and educational system and getting involved.

## TECHNICAL PROJECTS

### Network Graphs to Demonstrate Infection Spread

GitHub | <https://github.com/akwaed/contact-tracing>

- Used Python network graph to simulate a viral spread in a community
- Implemented Dijkstra's algorithm to find the shortest contamination path between two contaminated nodes.

### Event Driven Server

GitHub | <https://github.com/akwaed/Event-Driven-Server>

- Developed a multiplexing server with a Transmission Control Protocol to provide a "squaring" service using C.
- Optimized the server to withstand dummy data and process complicated input values

### Arduino Boat Design – Lead Programmer | Team of 4

GitHub | <https://github.com/akwaed/Audrino-Boat>

- Designed an RC boat controlled and powered entirely by an Arduino UNO board
- Designed, debugged, and optimized the source code running on the Arduino board, enabling the boat to perform its designed task in an efficient and time-sensitive manner.