

# ELNOEL D. AKWA

Lexington, KY · (859) 489-4896 · elnoelakwa@uky.edu · [www.linkedin.com/in/elnoelakwa](https://www.linkedin.com/in/elnoelakwa) · [github.com/akwaed](https://github.com/akwaed)  
**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 involvement.

Bluegrass Community and Technical College, Lexington, KY

January 2020 – May 2021

## Associate in science in Computer Science - Cumulative GPA: 3.72

- Elected Campus Representative, Student Repetitive at College Board of Regents, and Student Ambassador

## SKILLS AND CERTIFICATION

Skills: Python, Texas Ti, C++/C, HTML/CSS, WordPress, Git, JavaScript, Linux, R, ARM32, Azure, Docker, PyTorch, Tensor

Certification: Codepath Intermediate Software Engineering

## EXPERIENCE AND WORK HISTORY

### Embedded Systems Engineering Intern, Qualcomm, San Diego CA

May 2023- Present

- Designing a Machine Learning model to automate resource allocation processes and fasten team workflow.

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

August 2022- May 2023

- Utilized **Jira** ticketing system to manage and resolve system and IT issues identified by employees.
- Developed a **python** script to automate the proactive system log review task.
- Performed weekly system checks on our **AWS** cloud workspaces to ensure integrity and proper functioning.

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

October 2021- August 2022

- Engineered a new inventory system from using Snipe-IT to keep track of the company's assets, resulting in better budget allocation and an increase in the department's efficiency and productivity.
- Served as a technical analyst and primary faculty and staff liaison for resolving IT related problems.

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

July 2021- Present

- Developed a responsive website using **CSS**, **HTML** and **WordPress** content management system.
- Configured a Search Engine Optimization tools with **JavaScript** which resulted in a 30% increase in the company's online footprint.

## TECHNICAL PROJECTS

### Twitter Assistant Automated Bot

GitHub | <https://github.com/akwaed/CS498-twitterbot>

- Used Python to create a Twitter search assistant bot powered by the Chat-GPT API
- Hosted the bot in a Docker container in an AWS workspace.

### 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.

## 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.