**PROFESSIONAL WORK EXPERIENCE**

***Fayette County Public Schools, Lexington, KY, USA October 2022 – December 2022***

***Technical Intern***

* Streamlined technology systems across 5+ schools, reducing average issue resolution time through proactive maintenance and organization.
* Diagnosed and resolved 50+ hardware/software issues weekly (e.g., network connectivity, OS errors), ensuring uptime for classroom operations.
* Spearheaded integration of 200+ interactive smartboards and LMS platforms, improving digital literacy for 1,500+ students.
* Managed inventory and distribution of 500+ Chromebooks across district schools, ensuring equitable access to technology for students and staff.

***46 Solutions, Lexington, KY, USA August 2022 – October 2022***

***IT Intern***

* Diagnosed and resolved hardware and software issues across diverse client environments to minimize downtime.
* Developed strong client communication and troubleshooting skills while prioritizing data security.
* Provided critical IT support to 10+ Lexington-based small businesses, including system migrations and network optimizations, enabling seamless digital operations during peak demand periods.

***Amazon****| Lexington, KY, USA Warehouse Associate | May 2023 – Present*

* Processed 300+ customer returns daily in a fast-paced environment, evaluating product quality and determining resale eligibility with 98% accuracy.
* Collaborated with inventory management teams to ensure seamless integration of resalable items into warehouse systems, optimizing restocking efficiency.
* Maintained strict adherence to safety and compliance protocols, achieving zero incident reports during 2 years of service.
* Utilized Amazon’s proprietary inventory management software to track 500+ SKUs weekly

**PROJECT**

Hand-Derived Neural Network

* Designed and implemented a neural network from the ground up to perform classification tasks.
* Manually derived weight initialization, backpropagation, and optimization algorithms, deepening understanding of machine learning fundamentals and data optimization techniques.

Solution Sample Machine

* Developed a computer vision system to measure distances accurately using image processing techniques.
* Collaborated with mechanical engineers to integrate the system with safe sample collection protocols, ensuring precise measurements and effective interdisciplinary communication.

**EDUCTION**

**Bachelor of Engineering in Computer Science Expected Graduation: 2027**

***University of Kentucky***

* **Minor in Mathematics**
* **Dean’s List in all semesters | 4.0 GPA**
* **Relevant Coursework: Algorithms, Data Structures, Linear Algebra, Probability, Machine Learning**

**TECHNICAL SKILLS**

Programming: Python, C++, C, Bash, PowerShell

AI/ML: Neural Networks, Backpropagation, Computer Vision (OpenCV), Data Optimization

Systems: Windows, macOS, Linux (Ubuntu), Hardware/Software Troubleshooting

Tools: PyTorch (conceptual), Image Processing, System Security Protocols