**Dixon Zor**(267)-290-9734 | [dixonzor@gmail.com](mailto:dixonzor@gmail.com) | <https://www.linkedin.com/in/dixon-zor-0144142a9>

**OBJECTIVE**

Computer science student with **2.5 years of experience** in software development, seeking an **entry-level/internship** position in Software Engineering or IT. Highly skilled in web and application development, with a deep understanding of data structures and system analysis. Incredibly passionate about solving complex problems and developing functional software systems and designs.

**EDUCATION**

**The Pennsylvania State University** Graduating: Dec 2024  
*College of Engineering*   
Bachelor of Science, Computer Science GPA: 3.1

**PROFESSIONAL EXPERIENCE**

**The Human in Computing and Cognition Research Lab at PSU**   
***Software Developer Intern***May 2023 – present Penn State University Park

* Lead a team through **15 different experiments**, evaluating Cognitive Biases in Human-AI interactions.
* Develop up to 3 different applications to test cognitive biases using **Python**, **Java**, and **XML**.
* Create an LLM chatbot using Llama-2, fine-tuning the model with experimental data.
* Host 2 conferences for underclassmen on training AI models and understanding the generative AI boom.

**Web Development Internship -Carlisle Construction**   
***Front-end software Development Intern***May 2022 – Aug 2022 Ritner Highway Carlisle, PA

* Developed and implemented a responsive design for a company website, resulting in a 25% increase in mobile traffic and a 15% increase in overall website traffic.
* Collaborated with back-end developers to integrate user-facing elements with server-side logic, resulting in a 20% reduction in page load times and improved website performance.
* Utilized version control systems to manage code and streamline development processes, reducing the average project delivery time by 15%.

**Penn State Brandywine IT Help deck**    
**IT Help Deck/*Customer Service Associate***Apr 2021 – May 2022 Penn State Brandywine

* Actively engaged with 5-10 customers daily, employing effective problem-solving strategies to address and resolve tech-related complaints.
* Lead the installation of over 30 desktop computers at the beginning of each semester.
* Oversaw 50 Laboratory and Library Computers for the school through monitoring, configuring, and maintaining all hardware and software systems throughout school year.

**SKILLS/INTERESTS**

Python, C/C++, Java, Debugging, Bootstrap, Linux, GitHub/Gitlab, JavaScript (React, jQuery), HTML5, CSS3, RESTful APIs, Node.js Microsoft Suite

**PROJECT EXPERIENCE**

C programming & Concurrent System  
*Dynamic Memory Allocator and Channel Synchronization with Scheduling* Feb 2023 – June 2023

* Developed a dynamic memory allocator including **malloc, calloc, realloc, and free**.
* Implemented channel-based synchronization to manage concurrent processes in a multi-threaded environment. (Feb 2024 - May 2024)

**Assembly/Verilog**   
*FPGA-Based CPU Development* Sep 2023 – Dec 2023

* Design and implementation of a custom CPU on an FPGA, primarily using **Verilog** for hardware description.

**LEADERSHIP EXPERIENCE**

***NSBE Member & Resident Assistant***

* National Society of Black Engineers. Sep 2023 – May 2024
* Coordinated and Organized Campus Events and Activities as an RA. Sep 2021 – May 2021