Amyra Harry

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Career Objective

Inquisitive, innovative, and highly motivated Computer Science student seeking an internship position that would allow me to contribute my three years of programming experience in an environment where I can continue to nurture and develop my skills while working with experienced team members.

Education

MORGAN STATE UNIVERSITY, BALTIMORE, MD **January 2024 - December 2025 (Expected)**
B.A COMPUTER SCIENCE | GPA: 3.5

LAROCHE UNIVERSITY, PITTSBURGH, PA **August 2020 - May 2023**
B.A. COMPUTER SCIENCE AND ELECTRICAL ENGINEERING

BALTIMORE POLYTECHNIC INSTITUTE **August 2014 - June 2020**
HIGH SCHOOL | POLY PROGRAM: PROJECT LEAD THE WAY

Relevant Coursework

Computer Science: Intro to Computer Science, Programming I-II, Algorithm Analysis, Systems of Programming, Digital Literacy, Database Management, Computer Organization and Design

Skills & Abilities

Programming languages: Java, Python, JavaScript, HTML, CSS
Softwares: Blue j, Eclipse, Repllit, Visual studios, Linux, MobaXterm, Netspot, DNS, Virtual Box, Windows OS, Microsoft Office products, React

Experience

CEAMLS SAIRI – Baltimore, MD **May 2024 - August 2024**
AI research Intern

- Conducted extensive research for the integration of AI into an intelligent tutoring system that would enhance students' learning efficiency by 20%.
- Developed a dynamic and responsive website using HTML, CSS, and JavaScript, improving load time by 40%.
- Completed a comprehensive research paper on developing an intelligent tutoring system, focusing on AI integration with python-base chatbot that teaches python, which received top 95% recognition from peers and achieving a 90% rate in post-interaction surveys.

Projects

DATABASE SYSTEMS

- Developed a secure, functional database system for a pharmacy, improving data entry efficiency by 30% and ensuring compliance with data security protocols.
- Established referential integrity across tables, queries, and forms, addressing inconsistencies and reducing data entry errors by 25%, which significantly enhanced the accuracy of the pharmacy's data management system.

CHIP 8 EMULATOR

- Recreated a chip-8 virtual machine optimized for modern computers, resolving compatibility issues between 1980s ROM binary code and current hardware, and successfully displaying vintage video games.
- Implemented a virtual display reader, virtual RAM, random number generator, and two timers to accurately emulate the original CHIP-8 processor, demonstrating strong team work, and advanced programming skills, resulting in a 100% functional retro gaming experience.

INTERACTIVE WEATHER APP WITH AI INTEGRATION

- Developed an interactive weather application using HTML, JavaScript, and CSS, allowing users to access real-time weather forecasts for any state and enhancing user experience with AI integration and UI/UX design principles.
- Solved accessibility issues and improved user interaction by implementing intuitive features and real-time updates, resulting in a 30% increase in user engagement and satisfaction.

PYTHON TEACHING CHATBOT WITH AI INTEGRATION

- Created an interactive chatbot application using HTML, JavaScript, and CSS, integrating chatGPT-3 APA to deliver python lessons and generate relevant questions, increasing user engagement by 40% and improving learning outcomes by 25%.