Christopher Sarpong

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EDUCATION

The Pennsylvania State University   **University Park, PA**
College of Information Sciences and Technology   *May 2026*
Bachelor of Science in Human Centered Design and Development   *GPA*: 3.01

PROJECT WORK EXPERIENCE

Website Design and Development   **University Park, PA**
Program for Web,   *Solo Project April 2025*
- Designed, coded, and deployed a fully functional personal portfolio website using HTML, CSS, and JSON.
- Implemented responsive design principles to ensure usability across devices and screen sizes.
- Applied front-end development best practices to create an accessible and visually appealing user experience.

Interface Design and Research   **University Park, PA**
Penn State: Design Human Centered Design and Development, Ood and Software   *Team Member, April 2025*
- Conducted in-depth user research to identify core usability issues and validate design solutions through qualitative and quantitative methods.
- Created interactive prototypes using design tools and tested them with users to gather feedback and refine functionality.
- Applied usability heuristics and human-centered design principles to improve effectiveness and user satisfaction of proposed solutions

Structured Query Language (SQL) Database Development   **University Park, PA**
Penn State: Organizational data   *Project Leader, December 2024*
- Developed and maintained MySQL databases using MySQL, focusing on data integrity, normalization, and performance optimization.
- Wrote and debugged complex SQL queries to manipulate and retrieve data efficiently for analysis and application integration.
- Gained hands-on experience managing structured data and supporting backend development for data-driven projects.

WORK EXPERIENCE

The Human in Computing and Cognition Lab   **University Park, PA**
Research Assistant   *January 2025 – Present*
- Develop and refine theoretical frameworks focused on disaster recovery research, driving innovation in the field.
- Enhance lab operations by analyzing and leveraging Artificial Intelligence (AI) to optimize human decision-making processes.
- Comprehensively analyze complex code and simulations to strengthen and validate research findings.

Paul Robeson Cultural Center (PRCC)   **University Park, PA**
Team Leader | Programming Ambassador   *September 2024 – Present*
- Oversaw daily operations and staff performance to drive efficiency, accountability, and timely task completion.
- Led engaging PRCC tours, promoting services while creating a welcoming, inclusive atmosphere for students and visitors.
- Planned and executed multicultural events with budgets up to $3K, ensuring impact, engagement, and cost efficiency.

LEADERSHIP AND CAMPUS INVOLVEMENT

BLUEprint Peer Mentoring Program   **University Park, PA**
Campus and Community Engagement | External Relations Chair   *April 2023 – Present*
- Plan and execute organization-wide community service projects and educational programs that promote cultural awareness and student engagement
- Increase member engagement through updating blueprint social media platforms such as Instagram, LinkedIn, and other platforms

Peer Mentor   *September 2023 – Present*
- Promote assistance to first year and change-of-campus students, specifically students of color, with their acclamation to Penn State University through peer-mentoring, guidance, emotional and academic support, and serving as a positive role model
- Design and distribute branded marketing materials and manage social media strategy across various social media to increase program visibility and member participation

Multi-Cultural Engineering Program   **University Park, PA** 2024
Envoy   *November 2022 – April 2024*
- Plan, coordinate, and execute Diversity, Equity, Inclusion and Belonging events that promote inclusivity and cultural awareness, ensuring successful outcomes through careful attention to detail and collaboration within the College of Engineering.
- Organize and coordinate meetings and events, ensuring smooth execution and alignment with organizational goals and values.
- Facilitate meaningful dialogues on diversity by leading discussions and activities that promote cultural awareness and inclusion within the community.

Engineering Student Tours and Resources   **University Park, PA**
Student Tour Guide   *November 2022 – April 2024*
- Lead campus tours for prospective engineering students and their families, showcasing key Penn State and College of Engineering facilities while highlighting unique resources such as maker spaces, research labs, and collaborative learning areas.
- Deliver engaging presentations on the engineering programs, student life, and opportunities for involvement (including research, internships, and student organizations), sharing personal experiences to help prospective students connect with the university.
- Ensure a smooth tour experience by navigating the campus, memorizing detailed facts about the engineering college, and engaging with guests to facilitate insightful conversations and address questions.

SKILLS/AWARDS/INTERESTS

Technology: Java, mySQL, Pyton, CSS, Java Script, JSON Solid works, CANVA, iMovie, Knowledgeable of Adobe, Microsoft Office Suite
Awards: Multicultural Engineering Program, Emerging Leader Award