WINIFRED AGYEI

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EDUCATION

Cornell University - Ithaca, New York, USA   **Graduating May 2027**
Major: Information Science
Relevant coursework: Introduction to Python, Object-Oriented Programming, Data Structures and Algorithms, Web Development, Statistics, Calculus, Product Design

TECHNICAL SKILLS

Programming: Python | HTML | CSS | Java | JavaScript | SQL | R | React | Machine learning
Tools: Material UI | Figma | Adobe Photoshop | Notion | Google Colab

PROJECTS

Gradebook App - Software Engineer   July 2023 – Present
- Designed and developed a full-stack web application for high schools in Ghana, providing students with access to educational resources, assignments, and school announcements.
- Designed and implemented secure data management and user authentication features to protect student information.
- Integrated backend and database systems to efficiently store and manage student profiles and academic records

Catering Website - Cornell University   October 2023 - November 2023
Front End Developer
- Designed and implemented responsive front-end features using HTML, CSS, and JavaScript, increasing site engagement by 20%.
- Optimized website performance to improve load times by 40% across devices and browsers, ensuring adherence to performance standards.
- Addressed challenges in cross-browser compatibility by implementing thorough testing and debugging processes, ensuring a seamless experience for users.

RELEVANT EXPERIENCE

Hackharvard   13th October 2024 - 15th October 2024
Software Engineer
- Development of AutoDine, an AI-powered, voice-automated system designed to streamline drive-thru operations.
- Designed and implemented the customer-facing web interface for order previews using React, Material UI, and JavaScript.
- Addressed challenges in real-time data rendering by implementing efficient state management techniques.
- Optimized interface performance to handle high-concurrency user scenarios, enhancing customer satisfaction and order accuracy.
- Integrated API endpoints for seamless data flow between the AI system and the front-end interface.

Externship with Extern In partnership with Beats By Dre - Remote   August 2024 - September 2024
Data Analyst
- Conducted exploratory data analysis (EDA) on customer feedback, uncovering patterns that informed strategic brand decisions and enhanced customer satisfaction by 15%.
- Created data visualizations to support brand recommendations, aiming for a 20% improvement in targeted marketing results.
- Utilized web scraping tools (Oxylabs) to gather 1,000+ Amazon reviews; conducted data cleaning and preprocessing for accurate sentiment analysis

LEADERSHIP

College of Agriculture and Life Science (Cornell CALS) - College Ambassador   March 2024 - Present
- Facilitated connections with prospective students, using storytelling and personalized interactions during tours to communicate Cornell CALS's values and opportunities

Underrepresented Minorities in Computing (URMC) - Co-Design Chair   February 2024 - August 2024
- Created visual assets and social media templates that boosted URMC's online visibility by 25%, enhancing engagement and expanding reach to diverse audiences.
- Led creative brainstorming sessions to design social media templates, enhancing visibility

Participant of Amazon's Campus Summer Series